

**CITY OF ATLANTA  
ADVERTISEMENT FOR BIDS**

Scaled bids for **Bid No. 8182-AP, FIRE AIR SUPPLY FOR THE ATLANTA FIRE & RESCUE DEPARTMENT**, will be received by designated staff of the Department of Procurement, at 55 Trinity Avenue, City Hall South, Suite 1900, Atlanta, GA 30303-0307, and **must be time stamped no later than 2:00 P.M., Tuesday, June 02, 2015.**

**ABSOLUTELY NO BIDS WILL BE ACCEPTED AFTER 2:00 P.M.**

Bids will be publicly opened and read at 2:00 P.M. in Suite 1900, 1<sup>st</sup> Floor, 55 Trinity Avenue, SW, City Hall South, Atlanta, Georgia.

**PURPOSE AND SCOPE:** To establish an indefinite quantity, firm fixed price contract to be used as the primary source for the commodity (ies)/services(s) listed in the attached specifications. Commodities/services will be ordered from time to time in such quantity as may be needed to fill any requirements of the City of Atlanta as shown in the bid invitation. As it is impossible to determine the precise quantities that may be needed during the contract period, the contractor is obligated to deliver in minimum/maximum quantities the commodities or services of the kind contracted for in accordance with the specific conditions of this bid.

General instructions, specifications for submitting bid packages for this project will be available as of **Friday, May 08, 2015 from 8:15 A.M. – 5:00 P.M.**, in the Department of Procurement's Main Office, 1<sup>st</sup> Floor, 55 Trinity Avenue, SW, Suite 1900, City Hall South, Atlanta, Georgia. To request a bid package by mail, please contact the buyer.

Should you have any question/concerns, please contact Annette Pllum, at (404) 330-6273, or by email [apllum@atlantaga.gov](mailto:apllum@atlantaga.gov).

The City of Atlanta reserves the right to reject any and all bids and to waive any technicalities.

**This Bid is being made available by electronic means. If accepted by such means, the Proponent acknowledges and accepts full responsibility to insure that no changes are made to the Bid. In the event of conflict between a version of the Bid in the Proponent's possession and the version maintained by DOP, the version maintained by DOP shall govern.**

You are required to email your business name, contact person, address, phone number, fax number and the project number to Ms. Annette Pllum, Buyer at [apllum@atlantaga.gov](mailto:apllum@atlantaga.gov), to be placed on the Plan Holders List. Failure to do so will prevent you from receiving any addenda that are issued and may deem you non-responsive.

## INVITATION FOR BID

BID NUMBER: 8182-AP  
RTG DATE: Thursday, May 14, 2015  
ATLANTA FIRE & RESCUE  
DEPARTMENT

### SEALED BIDS FOR:

**CITY OF ATLANTA (COA) SPECIFICATION FOR FIRE AIR SUPPLY FOR THE ATLANTA FIRE & RESCUE DEPARTMENT TO BE ORDERED AS NEEDED FOR A PERIOD OF THREE (3) YEARS FROM DATE OF AWARD IN ACCORDANCE WITH THE ATTACHED SPECIFICATION.**

Sealed bids, for furnishing the supplies or services contained herein will be received by:

**CITY OF ATLANTA  
DEPARTMENT OF PROCUREMENT  
CITY HALL SOUTH, SUITE 1900  
55 TRINITY AVENUE, S.W.  
ATLANTA, GEORGIA 30303-0307**

First floor, **no later than 2:00 P.M.**, (OUR BID CLOCK TIME IS VERIFIED AND CALIBRATED WITH THE BUREAU OF NATIONAL STANDARDS TIME PRIOR TO EACH BID OPENING) **Tuesday, June 02, 2015** and at that time will be publicly opened and read in Suite 1900.

**A Pre-bid Conference/Site Visit – May 27, 2015 @ 10:00 a.m., at 55 Trinity Avenue, Suite 1900 Atlanta, Georgia 30303.** The deadline for bidders to submit questions regarding the bid is **Friday, May 29, 2015**. Questions should be submitted via email to **Annette Pllum**, Buyer at **apllum@atlantaga.gov**. For information, call (404) 330-6273.

This form **MUST** be returned with all bids. Bids must be typed or printed in **blue ink**. Refer to Bid Number, Date and Time on the **enclosed return label**. All bids must be hand delivered, delivered by courier service or mailed via United States Postal Service. No facsimile will be accepted. One (1) original ITB in **blue ink** must be submitted and must be marked as an original as well as one (1) ITB copy which must be marked as copy. **If you quote, please sign each "bid sheet" in blue ink, do not 'white out' entries or your bid may be deemed non-responsive. And, put the name of your company on each of the bid sheets or your bid may be deemed non-responsive.** If you do not quote, return signed bid invitation sheet and state reason; otherwise, your name may be removed from our mailing list. **Failure to follow these instructions could result in your bid being rejected.**

**ALL COMMUNICATION PERTAINING TO THIS BID MUST BE DIRECTED TO THE DEPARTMENT OF PROCUREMENT REFERENCING BID NUMBER. BIDDER MAY NOT CONTACT OTHER BUREAUS OR CITY EMPLOYEES REGARDING THIS BID PRIOR TO AWARD OF PURCHASE ORDER. VIOLATION OF THIS INSTRUCTION WILL RESULT IN NON-ACCEPTANCE OF YOUR BID.**

_____ Legal Name of Firm			_____ Authorized Representative/Please Type/Print	
_____ Address			_____ Signature/Title	
_____ City	_____ State	_____ Zip Code	_____ Area Code/Telephone Number/Email Address	
_____ Date Submitted			_____ COA Supplier ID#	

**BIDS MAY BE SUBMITTED FOR EVALUATION, BUT NO AWARD WILL BE MADE UNLESS YOU POSSESS A CURRENT BUSINESS LICENSE THAT AUTHORIZES BIDDER TO TRANSACT BUSINESS AT A LOCATION IN THE STATE OF GEORGIA. IN THE CASE OF AN OUT OF STATE BUSINESS WITH NO LOCATION OR OFFICE IN GEORGIA, WHICH EXERTS SUBSTANTIAL EFFORTS WITHIN THE STATE AND CITY, SUCH BUSINESS MUST OBTAIN A CITY OF ATLANTA, BUSINESS LICENSE AS REQUIRED BY CITY CODE SECTION 30-52, ET SEQ. TO OBTAIN A BUSINESS LICENSE, CONTACT: CITY OF ATLANTA, BUSINESS LICENSE DIVISION, CITY HALL SOUTH, SUITE 1350, 55 TRINITY AVENUE, S.W., ATLANTA, GEORGIA 30303-0307, and (404) 330-6213.**

In compliance with the aforementioned, the bidder agrees to furnish and deliver the goods and/or services at the prices indicated. It is agreed that this bid shall constitute an offer, and if accepted by the City, delivered to the designated point(s) within the time specified.

**PRICES CONSIDERED F.O.B. DESTINATION UNLESS OTHERWISE STATED.**

**MERCHANDISE/SERVICE TO BE DELIVERED: AS DIRECTED**

**NOTE:** Read all instruction, conditions, specifications, etc., in detail. Acceptance of your quotation guarantees your price and it cannot be withdrawn. Check all figures before submitting bid. UPON REQUEST, A COPY OF THE BID TABULATION WILL BE MADE AVAILABLE TO YOU AT A COST OF \$.10 PER PAGE.

**All Bids are subject to the following:**

1. Compliance with City of Atlanta Code, Section 2-1413, Requirements for execution of City contracts and Section 2-1414, Equal Employment Opportunity clause. In conjunction with these Code sections, a completed Contract Employment Report or a current letter of certification from the City of Atlanta Office of Contract Compliance must accompany each bid.
2. Compliance with bidding instructions, terms, and conditions (pages 3 and 4).
3. Other provisions, certifications, Insurance, Payment and/or Performance Bonds, if incorporated by reference in this schedule.
4. Additional instructions, special conditions applicable to indefinite quantity invitations on Annual Contracts.
5. A completed W-9 Request for taxpayer identification number and Certification Form.
6. A Notarized E-Verify Contractor Affidavit and/or Subcontractor Affidavit, even if not applicable.
7. Enter your City of Atlanta Supplier ID number on page one (1) of the ITB. A Supplier number can be obtained by registering at [www.atlantaga.gov](http://www.atlantaga.gov).

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

# **8182-AP, FIRE AIR SUPPLY**

A

Pre-Bid Conference  
will be held

Wednesday, May 27, 2015, at  
10:00 a.m.

in City Hall South, Suite 1900  
all interested bidders are  
encouraged to attend.

# **CITY OF ATLANTA**

## **DEPARTMENT OF PROCUREMENT**

### **BIDDING INSTRUCTIONS, TERMS AND CONDITIONS**

#### **1. PREPARATION OF BIDS -**

- (a) Bidders are expected to examine this invitation for bid, attached drawings, specifications, if any, and all instructions. Failure to do so will be at the bidder's risk.
- (b) Unit price for each unit bid on shall be shown and such price shall include packing, unless otherwise specified. A total shall be entered in the amount column for each item bid on. In case of a discrepancy between a unit price and extended price, the unit price will be presumed to be correct.
- (c) Specifications provided herein are intended to be open and non-restrictive. "Any" is used as a minimum standard of quality. When no reference or change is made on proposal by bidder, it is understood that the specific brand item named on proposal shall be furnished by bidder. If bidding on other than the make, model, brand or number as shown, and offered as an equal, complete technical information, specifications, manufacturer's name and catalog reference must be clearly stated on bid proposal or attached letter. Any deviation between brand offered and brand specified must also be clearly indicated.

The City of Atlanta, through the Chief Procurement Officer, Department of Procurement, shall be the sole judge in making determination as to equality.

- (d) Time of delivery is a part of the consideration and must be stated in specific calendar days that must be adhered to. If the time varies on different items, the bidder shall so state. Failure to state delivery may be cause for disqualification.
- (e) The City may accept any item or group of items or any bid, unless the bidder qualifies his bid by specific limitations. The right is reserved to reject any or all quotations and to waive technicalities.
- (f) Verify your quotations before submission, as they cannot be withdrawn or corrected after being opened.
- (g) If a prospective offer or elects to submit a NO BID, return the Invitation for Bid Cover sheet and state reason. Otherwise, the bidder may be removed from the mailing list.
- (h) If federal excise tax applies, show amount of same that has already been deducted in determining your net price. The City is also exempt from state and local sales tax.

2. **EXPLANATIONS TO BIDDERS** - Any explanation desired by a bidder regarding the meaning or interpretation of the invitation for bid, drawings, specifications, etc., must be requested in writing and with sufficient time allowed for a reply to reach bidders before the submission of their bids. Any information given to a prospective bidder concerning an Invitation for Bids will be furnished to all prospective bidders, as an amendment to the invitation, if such information is necessary to bidders in submitting bids on the Invitation or if the lack of such information would be prejudicial to uninformed bidders. Receipt of amendments by a bidder must be acknowledged on the bid and a signed addendum returned, attached to the bid.

3. **SUBMISSION OF BIDS** -

(a) **DEFAULT:** The award as a result of bids received under this invitation may be based in part on delivery factor. Accordingly, should a vendor fail to perform delivery within the time stated in your bid, he/she may then be declared in default of contract. In such an event, the City may then proceed to purchase in the open market the items from another source, and charge/collect from the defaulting vendor the excess cost to the City, which resulted from such open market purchase.

(b) **PATENT INDEMNITY:** Except as otherwise provided, the successful bidder agrees to indemnify the City and its officers, agents and employees against liability, including cost and expenses for infringement upon any letters patent of the United States arising out of the performance of this contract, or out of the use or disposal by or for the account of the City of supplies furnished or construction work performed hereunder.

4. **CERTIFICATION OF INDEPENDENT PRICE DETERMINATION** - By submission of this bid, the bidder certifies, and in the case of joint bid each party thereto certifies as to its own organization, that in connection with this procurement: (1 ) The prices in this bid have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor; (2) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly to any other bidder or to any competitor; and (3) No attempt has been made or will be made by the bidder to induce any other person or firm to submit or not to submit a bid for the purpose of restricting competition.

5. **PROHIBITION AGAINST AND REPORTING OF ANTICOMPETITIVE PRACTICES** - Collusion and other anticompetitive practices among bidders and offer are prohibited by city, state and federal laws, and the City, therefore, establishes the following:

Certification of independent price determination. All bidders or offer shall identify a person having authority to sign for the bidder or offer who shall certify, in writing, as follows:

"I certify that this bid or offer is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid or offer for the same supplies, services, construction, or professional or consultant services, and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of city, state and federal law and can result in fines, prison sentences, and civil damages awards. I agree to abide by all conditions of this bid or offer and certify that I am authorized to sign for this bidder or offer or." Compliance with this subsection shall be considered met if the certification of independent price determination, as provided in this subsection, is set forth in an exhibit attached to the bid or offer and appropriate language incorporating the exhibit into the bid or offer is set forth therein.

**6. PROHIBITION AGAINST CONFLICTS OF INTEREST** – Please identify any Personal or Financial Relationships that may give rise to a conflict of interest as defined below:

- (1) Personal relationships: executives, board members and partners in firms submitting offers must disclose familial relationships with employees, officers and elected officials of the City of Atlanta. Familial relationships shall include spouse, domestic partner registered under section 94-133, mother, father, sister, brother, and natural or adopted children of an official or employee.

Yes \_\_\_\_\_

No \_\_\_\_\_

- (2) Financial relationships: offerors must disclose any interest held with a City employee or official, or family members of a City employee or official, which may yield, directly or indirectly, a monetary or other material benefit to the offeror or the offeror's family members.

Yes \_\_\_\_\_

No \_\_\_\_\_

Please describe: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- 7. AWARD OF CONTRACT** - The contract, if awarded, will be awarded to the responsible bidder whose bid will be most advantageous to the City, price and other factors considered. The contract will be awarded for a term of three (3) year(s) with the option to extend under the same terms and conditions for two (2), one (1) year extensions.
- 8.** Failure to observe any of the instructions and conditions may constitute grounds for rejection of your bid.

**9. SECTION 2-1387, CERTIFICATION AS TO NON-DISCRIMINATION IN BIDS AND CONTRACTS.**

- (a) All persons, firms or corporations supplying goods, material, equipment, supplies, improvements to real property, or services of any kind or character to the City of Atlanta, in accordance with section 2-1109, shall certify in writing on all bids and contracts, except those involving federally assisted construction projects, the following words:

"We, the supplier of goods, materials, equipment or services covered by this bid or contract will not discriminate in any way in connection with this contract in the employment of persons, or refuse to continue the employment of any person, on account of race, creed, color, sex or national origin of such person."

- (b) The wording of subsection (a) herein shall be included as a specification and appear on all bid invitations and purchase orders or contracts prepared as issued by any and all using agencies of the City.
- (c) The federal guidelines, as related to non-discrimination in employment by government contracts and subcontractors promulgated by Executive Order No.11246 of September 24,1965, as amended with respect to sex by Executive Order No. 11375 of October 13, 1967, Sections 202, 203 and 204 of Part II of such orders, are hereby adopted by the City of Atlanta insofar as legally possible to do so, and those persons, firms or corporations set forth in subparagraph (a) above shall comply with same.
- (d) The City shall have the right to reject any or all bids, and shall not enter into any contract with any person, firm or corporation and shall refuse to purchase any or all goods, materials, equipment or services from any vendor or contractor who fails to comply with the provisions of subsection (a) and/or (c) herein.

- 10. REJECTION OF BID** - Bids may be considered irregular and may be rejected if they show omissions, alterations of form, additions not called for, conditions, limitations, unauthorized alternate bids or other irregularities of any kind. The City reserves the right to waive minor informalities or irregularities of bid.

The City reserves the right to accept or reject any and all bids submitted and is in no way obligated to any bidder who submits a bid for the supplies, service or items as set forth in these specifications.



**Special Conditions**  
**Annual Contract for Commodities/Services**

**1. PURPOSE AND SCOPE:**

To establish an indefinite quantity, firm fixed price contract to be used as the primary source for the commodity(ies)/service(s) listed in the attached specifications. Commodities/services will be ordered from time to time as such quantity as may be needed to fill any requirements of the City of Atlanta as shown in the bid invitation. **As it is impossible to determine the precise quantities that may be needed during the contract period, the contractor is obligated to deliver in minimum/maximum quantities the commodities or services of the kind contracted for in accordance with the specific conditions of this bid.**

**2. SUPPLY REQUIREMENTS:**

The contractor shall be able to delivery all items that might be requested during the contract period in accordance with the terms and conditions of this bid. In the event a contractor's source should fail to supply any item, at any time, for any reason during the contract term, it will be contractor's responsibility to temporarily supply another item of equivalent quality meeting all specifications of the contract, at contract prices, terms and conditions, as an emergency measure, subject to prior approval of the Chief Procurement Officer, whose decision shall be final. If requested, sufficient and reasonable time may be allowed the contractor to acquire adequate stock to perform on the contract after award is made.

**3. DELIVERY REQUIREMENTS:**

Delivery will be made within the time shown in the specific bid conditions or where called for in the invitation, the time stated by the bidder.

**4. PLACEMENT OF ORDERS:**

Orders will be placed using one of the following methods:

- a. Purchase orders will be issued as required for departments having a known requirement, fixed quantities, and one-time delivery, during the entire life of the contract.
- b. A blanket order will be issued to those bureaus that have a recurring need for item(s) covered by this Invitation for Bid and will be issued for "as needed" use. Each blanket order issued will state what is needed, as well as a **"not-to-exceed"** dollar amount. The bureau will be allowed to purchase only those items listed in the awarded contract. Authorization to supply item(s)/services covered by this blanket order may be verbal or written communication from the using department(s).

**5. URGENT REQUIREMENTS:**

In the case of a bona fide emergency, wherein immediate delivery of an order is needed and the successful vendor cannot meet such a requirement, the City reserves the right to order from any vendor that can meet such a delivery requirement without penalty to the City.

**6. RIGHT TO TERMINATE:**

In the event any of the provisions of the contract are violated, the City may serve written notice of its intention to terminate the contract. Such notice will state the reasons for such intention, and unless within ten (10) days after serving notice upon the contractor, such violation has ceased and satisfactory arrangements for correction made, the contract shall, upon expiration of ten (10) days, be terminated. Further, the City reserves the right to terminate any contract in whole or in part upon giving thirty (30) days prior written notice to the other party.

**7. PLEASE COMPLETE THE FOLLOWING:**

Should a contract result from this invitation:

**TO PLACE VERBAL ORDERS CONTRACT:**

\_\_\_\_\_  
**Name**

\_\_\_\_\_  
**Telephone Number**

**CUSTOMER REPRESENTATIVE:**

\_\_\_\_\_  
**Name**

\_\_\_\_\_  
**Telephone Number**

**BID SIGNER:**

\_\_\_\_\_  
**Name**

\_\_\_\_\_  
**Address**

\_\_\_\_\_  
**Telephone**

IF NOT LOCAL, WILL TOLL FREE TELEPHONE SERVICE BE PROVIDED BY THE VENDOR DURING THE EFFECTIVE PERIOD OF THE CONTRACT?

(NO) \_\_\_\_\_

(YES) \_\_\_\_\_

DELIVERS WILL BE MADE AGAINST THIS CONTRACT BY:

VENDOR OWNED EQUIPMENT:  
(If yes, the frequency)

(NO) \_\_\_\_\_

(YES) \_\_\_\_\_

COMMERCIAL CARRIER:  
OTHER (Specify)

(NO) \_\_\_\_\_

(YES) \_\_\_\_\_

Bidder hereby agrees to special conditions of this invitation to bid:

Firm Name: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

**THIS SHEET MUST BE COMPLETED. FAILURE TO DO SO MAY BE REASON FOR REJECTION OF BID.**

**CITY OF ATLANTA**  
**Contract Employment Report**

**PLEASE TYPE OR PRINT IN INK. EACH APPLICABLE ITEM ON THIS FORM MUST BE COMPLETED.**  
**INCOMPLETE FORMS WILL NOT BE PROCESSED.**

**NAME OF FIRM:** \_\_\_\_\_ **TELEPHONE No.** \_\_\_\_\_

**NAME OF OWNER:** \_\_\_\_\_ **FAX NO.** \_\_\_\_\_

**MAILING ADDRESS:** \_\_\_\_\_ **CITY:** \_\_\_\_\_

**STATE:** \_\_\_\_\_ **COUNTY:** \_\_\_\_\_ **ZIP CODE:** \_\_\_\_\_

**PLEASE COMPLETE THE FOLLOWING INFORMATION**

WHAT TYPE OF BUSINESS WOULD YOUR COMPANY BE ENGAGED IN WITH THE CITY OF ATLANTA?

\_\_\_\_\_

IS YOUR COMPANY AN AFFILIATE OR DIVISION OF A PARENT COMPANY? \_\_\_\_\_

IF YOUR COMPANY IS A DIVISION OF A PARENT COMPANY, A CONTRACT EMPLOYMENT REPORT FORM MUST BE COMPLETED FOR THE PARENT COMPANY AS WELL AS THE ATLANTA AREA DIVISION.

HAS YOUR COMPANY PREVIOUSLY RECEIVED AN EEO CERTIFICATION FROM THE CITY OF ATLANTA? \_\_\_\_\_

**PLEASE LIST THE NUMBER OF EMPLOYEES IN EACH CATEGORY**

	Management/ Officials		Professionals Arch, Engineers, etc		Supervisors		Office/Clerical/Sales		Craftsmen/Laborers	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Black										
White										
Asian										
American										
Native										
American										
Hispanic										
Other										
<b>TOTAL</b>										

**I CERTIFY THAT ALL REPRESENTATIONS ON THIS CONTRACT EMPLOYMENT REPORT FORM ARE CORRECT AS OF THE DATE STATED.**

\_\_\_\_\_  
**DATE**                      **PRINT PREPARER'S NAME**                      **PREPARER'S SIGNATURE**                      **TITLE**

## Request for Taxpayer Identification Number and Certification

Give form to the  
requester. Do not  
send to the IRS.

Print or type See Specific Instructions on page 2:	Name (as shown on your income tax return)	
	Business name, if different from above	
	Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶ ..... <input type="checkbox"/> Other (see instructions) ▶	<input type="checkbox"/> Exempt payee
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	City, state, and ZIP code	
List account number(s) here (optional)		

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

**Note.** If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number
or
Employer identification number

### Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶	Date ▶
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### General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

#### Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

**Note.** If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

- The U.S. grantor or other owner of a grantor trust and not the trust, and
- The U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

**Foreign person.** If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

**Nonresident alien who becomes a resident alien.** Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

**Example.** Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

**What is backup withholding?** Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

**Payments you receive will be subject to backup withholding if:**

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,

4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate Instructions for the Requester of Form W-9.

Also see *Special rules for partnerships* on page 1.

## Penalties

**Failure to furnish TIN.** If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

**Civil penalty for false information with respect to withholding.** If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

**Criminal penalty for falsifying information.** Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

**Misuse of TINs.** If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

## Specific Instructions

### Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

**Sole proprietor.** Enter your individual name as shown on your income tax return on the "Name" line. You may enter your business, trade, or "doing business as (DBA)" name on the "Business name" line.

**Limited liability company (LLC).** Check the "Limited liability company" box only and enter the appropriate code for the tax classification ("D" for disregarded entity, "C" for corporation, "P" for partnership) in the space provided.

For a single-member LLC (including a foreign LLC with a domestic owner) that is disregarded as an entity separate from its owner under Regulations section 301.7701-3, enter the owner's name on the "Name" line. Enter the LLC's name on the "Business name" line.

For an LLC classified as a partnership or a corporation, enter the LLC's name on the "Name" line and any business, trade, or DBA name on the "Business name" line.

**Other entities.** Enter your business name as shown on required federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name" line.

**Note.** You are requested to check the appropriate box for your status (individual/sole proprietor, corporation, etc.).

### Exempt Payee

If you are exempt from backup withholding, enter your name as described above and check the appropriate box for your status, then check the "Exempt payee" box in the line following the business name, sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

**Note.** If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following payees are exempt from backup withholding:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),
2. The United States or any of its agencies or instrumentalities,
3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,
4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or
5. An international organization or any of its agencies or instrumentalities.

Other payees that may be exempt from backup withholding include:

6. A corporation,
7. A foreign central bank of issue,
8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,
9. A futures commission merchant registered with the Commodity Futures Trading Commission,
10. A real estate investment trust,
11. An entity registered at all times during the tax year under the Investment Company Act of 1940,
12. A common trust fund operated by a bank under section 584(a),
13. A financial institution,
14. A middleman known in the investment community as a nominee or custodian, or
15. A trust exempt from tax under section 664 or described in section 4947.

The chart below shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 9
Broker transactions	Exempt payees 1 through 13. Also, a person registered under the Investment Advisers Act of 1940 who regularly acts as a broker
Barter exchange transactions and patronage dividends	Exempt payees 1 through 5
Payments over \$600 required to be reported and direct sales over \$5,000 <sup>1</sup>	Generally, exempt payees 1 through 7 <sup>2</sup>

<sup>1</sup>See Form 1099-MISC, Miscellaneous Income, and its instructions.

<sup>2</sup>However, the following payments made to a corporation (including gross proceeds paid to an attorney under section 6045(f), even if the attorney is a corporation) and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, and payments for services paid by a federal executive agency.

## Part I. Taxpayer Identification Number (TIN)

**Enter your TIN in the appropriate box.** If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited liability company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

**Note.** See the chart on page 4 for further clarification of name and TIN combinations.

**How to get a TIN.** If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at [www.ssa.gov](http://www.ssa.gov). You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at [www.irs.gov/businesses](http://www.irs.gov/businesses) and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting [www.irs.gov](http://www.irs.gov) or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

**Note.** Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

**Caution:** A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.

## Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, and 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). Exempt payees, see *Exempt Payee* on page 2.

**Signature requirements.** Complete the certification as indicated in 1 through 5 below.

**1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.** You must give your correct TIN, but you do not have to sign the certification.

**2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.** You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

**3. Real estate transactions.** You must sign the certification. You may cross out item 2 of the certification.

**4. Other payments.** You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

**5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions.** You must give your correct TIN, but you do not have to sign the certification.

### What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account <sup>1</sup>
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor <sup>2</sup>
4. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee <sup>3</sup>
b. So-called trust account that is not a legal or valid trust under state law	The actual owner <sup>1</sup>
5. Sole proprietorship or disregarded entity owned by an individual	The owner <sup>3</sup>
For this type of account:	Give name and EIN of:
6. Disregarded entity not owned by an individual	The owner
7. A valid trust, estate, or pension trust	Legal entity <sup>4</sup>
8. Corporate or LLC electing corporate status on Form 8832	The corporation
9. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
10. Partnership or multi-member LLC	The partnership
11. A broker or registered nominee	The broker or nominee
12. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity

<sup>1</sup> List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

<sup>2</sup> Circle the minor's name and furnish the minor's SSN.

<sup>3</sup> You must show your individual name and you may also enter your business or "DBA" name on the second name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

<sup>4</sup> List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

**Note.** If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

### Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

Call the IRS at 1-800-829-1040 if you think your identity has been used inappropriately for tax purposes.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

#### Protect yourself from suspicious emails or phishing schemes.

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to [phishing@irs.gov](mailto:phishing@irs.gov). You may also report misuse of the IRS name, logo, or other IRS personal property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: [spam@uce.gov](mailto:spam@uce.gov) or contact them at [www.consumer.gov/idtheft](http://www.consumer.gov/idtheft) or 1-877-IDTHEFT(438-4338).

Visit the IRS website at [www.irs.gov](http://www.irs.gov) to learn more about identity theft and how to reduce your risk.

### Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons who must file information returns with the IRS to report interest, dividends, and certain other income paid to you, mortgage interest you paid, the acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA, or Archer MSA or HSA. The IRS uses the numbers for identification purposes and to help verify the accuracy of your tax return. The IRS may also provide this information to the Department of Justice for civil and criminal litigation, and to cities, states, the District of Columbia, and U.S. possessions to carry out their tax laws. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You must provide your TIN whether or not you are required to file a tax return. Payers must generally withhold 28% of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to a payer. Certain penalties may also apply.

**Contractor Affidavit under O.C.G.A. § 13-10-91(b)(1)**

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services on behalf of the City of Atlanta has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned contractor will continue to use the federal work authorization program throughout the contract period and the undersigned contractor will contract for physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the contractor with the information required by O.C.G.A. § 13-10-91(b). Contractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

\_\_\_\_\_  
Federal Work Authorization User Identification Number

\_\_\_\_\_  
Date of Authorization

Name of Contractor: \_\_\_\_\_

Name of Project: \_\_\_\_\_

Name of Public Employer: City of Atlanta

**I hereby declare under penalty of perjury that the forgoing is true and correct.**

Executed on \_\_\_\_\_, \_\_\_\_\_, 20\_\_ in \_\_\_\_\_ (city), \_\_\_\_\_ (state)

\_\_\_\_\_  
Signature of Authorized Officer or Agent

\_\_\_\_\_  
Printed name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE  
ME ON THIS THE \_\_\_, DAY OF \_\_\_\_\_, 201\_\_

\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_



**Subcontractor Affidavit under O.C.G.A. § 13-10-91(b)(3)**

By executing this affidavit, the undersigned subcontractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract with (\_\_\_\_\_ (name of contractor)) on behalf of the City of Atlanta has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the subcontractor with the information required by O.C.G.A. § 13-10-91(b). Additionally, the undersigned subcontractor will forward notice of the receipt of an affidavit from a sub-subcontractor to the contractor within five business days of receipt. If the undersigned subcontractor receives notice of receipt of an affidavit from any sub-subcontractor that has contracted with a sub-subcontractor to forward, within five business days of receipt, a copy of such notice to the contractor. Subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

\_\_\_\_\_  
Federal Work Authorization User Identification Number

\_\_\_\_\_  
Date of Authorization

Name of Subcontractor: \_\_\_\_\_

Name of Project: \_\_\_\_\_

Name of Public Employer: City of Atlanta

**I hereby declare under penalty of perjury that the forgoing is true and correct.**

Executed on \_\_\_\_\_, \_\_\_\_\_, 20\_\_ in \_\_\_\_\_ (city), \_\_\_\_\_ (state)

\_\_\_\_\_  
Signature of Authorized Officer or Agent

\_\_\_\_\_  
Printed name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE  
ME ON THIS THE \_\_\_, DAY OF \_\_\_\_\_, 201\_\_

\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

**Sub-subcontractor Affidavit under O.C.G.A. § 13-10-91(b)(4)**

By executing this affidavit, the undersigned sub-subcontractor verifies its compliance with O.C.G.A. §13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services under a contract for \_\_\_\_\_ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract)) and \_\_\_\_\_ (name of contractor)) on behalf of the City of Atlanta has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. §13-10-91. Furthermore, the undersigned sub-subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned sub-subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the sub-subcontractor with the information required by O.C.G.A. §13-10-91(b). The undersigned sub-subcontractor shall submit, at the time of such contract, this affidavit to \_\_\_\_\_ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract)). Additionally, the undersigned sub-subcontractor will forward notice of the receipt of any affidavit from a sub-subcontractor to \_\_\_\_\_ (name of subcontractor or sub-subcontractor with whom such sub-subcontractor has privity of contract)). Sub-subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

\_\_\_\_\_  
Federal Work Authorization User Identification Number

\_\_\_\_\_  
Date of Authorization

Name of Contractor: \_\_\_\_\_

Name of Project: \_\_\_\_\_

Name of Public Employer: City of Atlanta

**I hereby declare under penalty of perjury that the forgoing is true and correct.**

Executed on \_\_\_\_\_, \_\_\_\_\_, 20\_\_ in \_\_\_\_\_ (city), \_\_\_\_\_ (state)

\_\_\_\_\_  
Signature of Authorized Officer or Agent

\_\_\_\_\_  
Printed name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE  
ME ON THIS THE \_\_\_\_\_, DAY OF \_\_\_\_\_, 201\_\_\_\_

\_\_\_\_\_  
NOTARY PUBLIC

Material Type: Fire Air Supply Apparatus  
Item Number: 0707006  
Revision Date: April 21, 2015

**CITY OF ATLANTA SPECIFICATION FOR  
2015 FIRE AIR SUPPLY APPATATUS**

**1. SCOPE AND CLASSIFICATION**

1.1 Scope - This specification describes the minimum acceptable requirements for 2015 Fire Air Supply Apparatus.

1.2 Classification — The material(s) shall be classified as follows:

GROUP I - AIR SUPPLY APPARATUS

GROUP II- PREVENTIVE MAINTENANCE

**2. NOTES**

**IMPORTANT: INSTRUCTIONS TO ALL BIDDERS:**

The City may consider valid only those bids, which comply with these instructions:

2.1 At numbered specific requirement section, all bidders must insert "Compliance" or "Exception" in each space provided.

2.2 Bidder "exceptions", further clarification, or notes must be detailed in these spaces or on an additional sheet referencing the numbered specification paragraph.

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**FIRM NAME** \_\_\_\_\_ **SIGNATURE** \_\_\_\_\_

- 2.3 Report of Purchases - An itemized (monthly) report of all purchases made during the first nine (9) months of this contract is required to be submitted to the Chief Procurement Officer during the tenth (10th) month of this contract. Failure to submit "Report of Usage" may result in forfeiture of future contracts with the City of Atlanta.
- 2.4 The equipment to be furnished must be currently on production and shall be manufacturer's standard model complete with all standard equipment. When cost effective and consistent with operational needs of the department, all energy consuming equipment purchased will be energy efficient, defined as meeting either Energy Star specification of criteria that puts products in the upper 25% of energy efficiency, as well as meeting quality, performance and durability requirements.
- 2.5 All bidders must submit two (2) sets of descriptive literature (If applicable) plainly marked with:
- A - Company Name
  - B - Group to which literature pertains for each item and components bid.
- 2.6 This Invitation for Bid covers parts and service for one (1) year after delivery date. Bidder must submit price information for parts and service indicating schedule or rate of discount, which shall apply to the City of Atlanta.
- 2.7 Bidder (where applicable) must be able to supply ninety percent (90%) of parts required to maintain this equipment within 24 hours and have access to the remaining ten percent (10%) of parts within 72 hours.
- 2.8 Bidders will supply original manufacturer part crossover numbers for parts, which are not manufactured by the equipment manufacturer after the award of bid but prior to the delivery of equipment.
- 2.9 Successful bidder (where applicable) must provide a minimum of four (4) hours instruction in the proper and safe use of the equipment.
- 2.10 Successful bidder must provide parts, service and operating manuals for each unit provided.
- 2.11 Reserved
- 2.12 Without expressed or implied obligation on the part of the City of Atlanta to perform, the bidder may submit an option to the City for a multi-year purchase concept covering three (3) years' service and parts for equipment

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

covered by this bid. State provisions of the multi-year purchase option including terms, price and expiration date. Attach a separate sheet.

- 2.12.1 The Code of Ordinance of the City of Atlanta specifically prohibits obligating the City for future budget years.
- 2.12.2 In the event options are exercised to purchase units in subsequent years the provisions as related to parts and services will apply as indicated above.
- 2.13 The City of Atlanta reserves the right to increase or decrease quantities shown without penalty.
- 2.14 Quantities - None of the various agencies, either individually or collectively, will be required to purchase any minimum amount during the term of this contract, nor will they be limited, either individually or collectively, to any maximum amount during the term of this contract.
- 2.15 Any quantities remaining undelivered may be automatically canceled at expiration of contract or purchase order.
- 2.16 The City prefers to make a single award for all of the items listed. Separate awards may be made by group or by line item, if it appears to be in the best interest of the City to do so.
- 2.17 Default - The contract may be canceled or annulled by the Chief Procurement Officer in whole or in part by written notice of default to the vendor upon non-performance or violation of contract terms. An award may be made to the next lowest bidder or articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting vendor (or his/her surety) shall be liable to the City for costs to the City in excess of the defaulted contract prices provided that the vendor shall continue the performance of this contract to the extent not terminated under the provision of this clause. Failure of the vendor to deliver materials or services within the time stipulated on their bid, unless extended in writing by the Chief Procurement Officer, shall constitute contract default.
- 2.18 Escalation/De-Escalation Clause - Preference shall be given to the bidder submitting the lowest and best firm price as their bid. Should it be found that due to unusual market conditions it is to the best interest of the City of Atlanta to accept a price with an escalation/de-escalation clause, the following shall apply:
  - 2.18.1 The contract price shall be frozen for a specified period. This period must be shown on your bid.

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

- 2.18.2 Escalation - Cost data to support any proposed increase must be submitted to the Chief Procurement Officer of the Department of Procurement not less than thirty (30) days prior to the effective date of any such requested price increase.
- 2.18.3 Any adjustment allowed shall consist only of bona fide cost increases resulting from such situations as unforeseen raw material cost increase which may be passed on to the consumer.
- 2.18.4 No adjustment shall be made to compensate a supplier for inefficiency in operation, or for additional profit.
- 2.18.5 De-Escalation – In the event that market media indicators show that the prices for those materials, goods or services have overall decreased but the vendor has failed to pass the price decrease onto the City, the City reserves the right to place the vendor in default for cause, cancel the awarded contract, remove the vendor from the City of Atlanta Bidders List for a period deemed suitable to the City, and recuperate any damages from the vendor.
- 2.19 Evaluation Criteria - Listed below are the criteria used to evaluate bids for the City of Atlanta. These criteria will carry as much weight as Low Bid so that the City of Atlanta, in evaluating bids will be able to determine the "Lowest Complete and Satisfactory Bidder" which will be in the best interest of the City. The criteria are as follows:
- a. Conformance to Specification
  - b. Low Bid
  - c. Price
  - d. Training - (Amount of Hours and Level Offered)
  - e. Parts Availability - (Local Source)
  - f. Capability - of unit (s) offered to perform the tasks of the User Department(s). Field Demonstrations may be requested to insure that the equipment meets User and Engineering Specifications.
  - g. Financial Capability
  - h. Discount Offered
  - i. Freight Charges
  - j. Delivery Time
  - k. Warranty
  - l. Vendor Past Performance
  - m. Vendor Availability to Perform
  - n. Vendor Reference - Vendor shall submit three (3) references from individuals, entity or corporation for which a similar project was successfully completed within time and budget. Also to be of consideration in the evaluation of bid is the vendor's past

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

performance of this contract/supply bid. (Please see final page of this specification for Vendor Reference form)

- 2.20 Will your company accept a portion of this contract? Please check in the appropriate space. \_\_\_\_\_ yes \_\_\_\_\_ no
- 2.21 Reserved
- 2.22 Brand Name or Trade Name Instructions - If items in this Invitation for Bid have been identified, described or referenced by a brand name or trade name description, such identification is intended to be descriptive, but not restrictive and is to indicate the quality and characteristics of products that may be offered. Products may be considered for award if such products are clearly identified in the bids and are determined by the City of Atlanta to meet its needs in all respects.
- 2.22.1 All bidders, including bidders whose products may be referenced, shall clearly indicate manufacturer/trade name and identifying number in space provided within Pricing Sheet of this Invitation for Bid.
- 2.22.2 If the bidder proposes to furnish another product, such products shall be clearly identified in the bid. The evaluation of bids and the determination as to equality of products offered shall be the responsibility of the City and will be based on information furnished by the bidder. Accordingly, to insure that sufficient information is available the bidder may be required to submit literature and/or samples prior to award. These shall be supplied within seven days, if required.
- 2.22.3 The purchase of any item by the City as a result of this Invitation for Bid is not a judgment of one product against another. Consideration of application, need and price will constitute purchase determination.
- 2.23 Alternate Bid – Bidders, who have other items they wish to offer in lieu of or in addition to that required by this Contract, should submit a separate Bid marked "ALTERNATE BID FOR BID NO. **8182-AP**". Alternate Bids will automatically be deemed non-responsive and will not be considered for award of the subject Contract. Such bids however, may be examined prior to award the subject Contract and may result in either cancellation of all bids to permit rewriting of the Specifications to include the alternate item in a rebid or the alternate item may be considered for future requirements.

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

- 2.24 A careful and accurate account of labor, including the name(s) or identification of mechanic(s), helper(s), etc. and the hours of work applied to each job, listing actual parts used in the performance of each job, description of the City equipment as well as parts only purchased under this contract is to be maintained by the vendor for a period of not less than one year. Such account or record may be subject to audit by an authorized City official.
- 2.25 Invoices must be itemized to show hours of labor, parts, materials, accessories with unit price and extension, including the applicable purchase order number.
- 2.26 Audit - The vendor shall maintain all books, documents, papers and records pertaining to this contract and to make such books and records available for inspection and auditing, upon reasonable notice by the City. As a result of any such audits, overcharges will be adjusted and compensation made by the vendor as applicable under this contract. Such books and records shall be maintained and made available for inspection and auditing for the duration of this contract and for a period of not less than three (3) years after the expiration date of contract.

### 3. REQUIREMENTS

Please state "Compliance" or "Exception" pursuant the instructions contained in paragraph **NOTES**, 2.1 and 2.2 of the ITB. Check marks, dittos or any other markings may not be accepted and your bid could be rejected.

- 3.1 Definition - For the purpose of this bid, "Parts" shall be defined as components of a unit to be provided by the vendor to the City. "Service" shall be defined as the furnishing of labor time or effort by a vendor, to repair or rebuild (where applicable), a part, component, or (where applicable), the unit/item as a whole. |

- 3.1.1 The vendor shall have a factory authorized service center within 60 mile radius of downtown Atlanta.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.1.2 The vendor shall provide a mechanism to the city of Atlanta with spare parts and accessories in an efficient and time sensitive manner. This requirement is inclusive of all OEM, and proprietary parts for the apparatus. This should be facilitated through the vendor's authorized service center.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_



- 3.1.3 Design - All vehicles and allied equipment shall be new models that are in current production. All vehicles shall be fully loaded; complete with all accessories that are customarily furnished and have all the necessary modifications that will enable the vehicle to function efficiently. The vehicles and all allied equipment shall be designed to permit accessibility for maintenance purposes with minimal disturbance of other components or assemblies. The term "Heavy-Duty" describes a manufactured item that is designed to withstand unusual strain and is the most heavy-duty model produced by the manufacturer.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.1.4 Exterior and Interior Sound Level: Vehicle shall comply with noise emission standards for Federal Motor Carriers engaged in Interstate Commerce and per NFPA 1901 (latest edition).

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.1.5 Cooling System - The cooling system shall be of the heavy-duty liquid pressurized forced circulation type. Systems shall consist of the necessary components of such temperature under all operating conditions without any loss of coolant. Optimum engine temperature shall be maintained with the vehicle loaded to the specified gross vehicle weight rating and continuously operating at all altitudes and grades in ambient temperatures ranging from minus 30 degrees to 120 degrees Fahrenheit (Minus 34.45 degrees to 48.90 degrees Celsius). Cooling systems shall be controlled and shall be suitable for operation with permanent type anti-freeze solution. Easily accessible drain outlets shall be provided on all vehicles to allow complete cooling system drainage.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.1.6 Exhaust Systems- Exhaust systems shall be the manufacturer's heaviest duty systems available for engine furnished. Systems shall be corrosion resistant and shall be securely fastened and routed to the requirements of Federal Motor Carrier Safety Regulations.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

- 3.1.7 Controls and Operating Mechanisms -All controls, operating mechanisms and instruments shall be located for left-hand drive. Controls shall be complete and conveniently accessible to the driver. Instruments and controls shall be clearly identified as function.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.1.8 Glass - Front windows shall be standard tint, and glass shall conform to Federal Motor Carrier Regulation 393-60.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.1.9 Heater and Defroster - Vehicles shall be equipped with hot water heating systems with fresh air intakes. Discharge outlets to floor and defroster louvers shall be provided. Systems shall be equipped with multi-speed blowers.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.1.10 Materials - Materials shall be new and of quality conforming to current engineering and manufacturing practices. Materials shall be free of defects and shall be suitable for intended service.

\_\_\_\_\_  
Compliance

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Exception

- 3.1.11 Delivery Time - Delivery time not to exceed the following:

Group I - Air Supply Apparatus 300 days from pre-bid conference

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

### 3.2 Specific Requirements

Please state "**Compliance or Exception**" in the space provided (Check marks, ditto or any other marking may not be accepted)

## GROUP I CITY OF ATLANTA FIRE RESCUE DEPARTMENT AIR SUPPLY

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

**APPARATUS TRUCK**

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
3.2.1	<b>CHASIS &amp; OVERALL VEHICLE DIMENSIONS</b>		
	Kenworth T270 with 176" Wheelbase, 106" back of cab to centerline of axle, and 75" Axle to End of Frame or equivalent. Set back front axle straight frame truck for fire service application LH Steering		
	Overall vehicle height: 11'1" Maximum <b>NO EXCEPTION</b>		
	Overall vehicle length: 299"		
3.2.2	<b>ENGINE &amp; EQUIPMENT</b>		
	Paccar PX-9, Diesel, 330 HP @ 2000 RPM, 1000 lb ft Torque @ 1400 RMP, gov @ 2200 RPM or equivalent. Air Cleaner, Dry Type Mounted on Firewall Air Intake Ember Screen to Comply with NFPA 1901, 2009 version Electric, Key Operated Engine Shutdown. Fleetguard Filter/Water In filter sensor Electric Governor Spin-On Type Oil Oil Cooler Diagnostic Plug for Data Link Engine Compression Brake with LO/OFF/HI Switch on Dash EPA, OBD and GHG Certification		
3.2.3	<b>ELECTRICAL</b>		
	Paccar 160 Amp, brush-type Alternator or equivalent Three (3) 12 Volt, Batteries, 2100 CCA total stainless steel battery box with Non Polished cover Batteries and battery box mounted temporarily on pallet at back of cab Cole-Hersee battery jump start studs model #46210-02 (red) & #4610-03 (black) frame mounted, or equivalent RH Side, back of cab. Anderson Power Products Model SB175 quick connect power plug, mounted adjacent to the jump start terminal.		
	Paccar 12 Volt Starter or equivalent		
3.2.4	<b>EXHAUST SYSTEM</b>		

**FIRM NAME** \_\_\_\_\_ **SIGNATURE** \_\_\_\_\_

SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	Single horizontal exhaust system with DPF/SCR/muffler mounted under cab on RH side and 5" stainless steel vertical tailpipe with 45 degree curved tip		
3.2.5	<b>COOLING SYSTEM</b>		
	Radiator Aluminum: Cross Flow, 1000 sq. in. Frontal Area Air to Air Heat Exchanger/Aftercooler Metal Surge Tank Long Life Coolant -40F (-40C) Lower Radiator Drain Valve Fan Drive, Horton Two Speed, Automatic Control, with Nylon Fan Fleetguard Filter/Water Separator Gates Blue Stripe Hose or Equivalent with Constant Torque Clamps Bug Screen Behind Grille		
3.2.6	<b>TRANSMISSION</b>		
	Allison 3000EVS, Close Ratio, 5-Speed Automatic Transmission With Overdrive or equivalent 5th Generation Controls Oil Level Sensor Provision for PTO at the 4 o'clock & 8 o'clock positions. Internal Oil Filter Magnetic Drain Plug Synthetic Transmission Fluid Auto Neutral- Single Input Water to Oil Automatic Transmission Cooler Push-Button Type Transmission Shift Control, Dash Mounted Rear Support Springs		
3.2.7	<b>DRIVELINE</b>		
	Dana Spicer Long Life SPL 170XL heavy duty or equivalent Driveline		
	Double Lip Viton Seal Thermoplastic Seal Guard		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	Synthetic Lubed Splined Shaft		
<b>3.2.8</b>	<b>Front Axle</b>		
	Dana Spicer E-10021 Front Axle; 10,000 lb. capacity or equivalent S Cam Brakes, 16-1/2 x 5 Cast Brake Drums Aluminum Hubs Oil Seals with STEMCO or equivalent sight window for hub lubrication. Integral TRW TAS85 Power Steering Gear Synthetic Axle Lubricant Taperleaf Spring Type, 10,000 lb. capacity Heavy Duty Double Acting Shock Absorbers		
<b>3.2.9</b>	<b>REAR AXLE</b>		
	Dana Spicer, S21-170, 16,000-lb Capacity Ratio for 68 mph Top Speed Magnetic Drain Plug S Cam Brakes, 16-1/2 x 7 Synthetic Axle Lubricant Two (2) 3030 Spring Brake Chambers on Rear Axle		
<b>3.2.10</b>	<b>REAR SUSPENSION</b>		
	Spring Type, 16,000 lb Capacity Reyco 79KB with Stabilizer Bar		
<b>3.2.11</b>	<b>BRAKE SYSTEM, Air, Dual System</b>		
	18.7 cfm Air Compressor Heated Bendix AD-1S air dryer mounted inside left rail back of cab Color Coded Nylon Air Brake Lines Spring Loaded Drain on Wet Tank with Cable Extended to Side of Body Turn Type Petcock Drains on Other Tanks Dust Shields on Front and Rear Brakes		
	Two (2) Air Pressure Gauges, One for Front System and One for Rear System Parking Brake Valve with Yellow Control Knob in Dash Panel		
	Warning Light in Dash to Indicate Parking Brake		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	is Applied Automatic Slack Adjusters on Front and Rear Brakes Bendix 4S/4M Anti-Lock System, Bendix ABS 6 or equivalent		
3.2.12	<b>Frame Equipment</b>		
	Frame Rails, 120,000 psi yield strength, heat treated, 10-5/8 x 3-12 x 5/16  Section Modulus of 14.80 Cubic inches with RBM of 1,776,000 in/lbs Per Rail  Frame Assembled with Grade 8 Hardware or Equivalent Huck Bolts  Aerodynamic painted steel front bumper two (2) removable front tow hooks frame layout to body builder prior to build		
3.2.13	<b>FUEL TANK &amp; EQUIPMENT</b>		
	Fuel Tank, 56 Gallon Capacity, Aluminum Anti-Syphon Device Swaged in Filler Neck 11 Gal DEF Tank Both Mounted Left Side Under Cab Nothing can extend past back of cab		
3.2.14	<b>TIRES &amp; WHEELS</b>		
	Front Tires, Two (2), 295/70R22.5, Michelin XZY-3, Load Range G, 14 Ply or equivalent  Rear Tires, Four (4), 295/70R22.5, Michelin XZY-3, Load Range G, 14 Ply or equivalent  Front Wheels, Disc, Polished Aluminum, 22.5 x 8.25, 10-Stud, Hub Pilot  Rear Wheels, Disc, Polished Aluminum, 22.5 x 8.25, 10-Stud, Hub Pilot  All wheel lug nuts will have reflective orange-red loose lug nut indicators installed in a direction that will enable the operator to visual identify if a lug nuts are loose.		
3.2.15	<b>CAB &amp; EQUIPMENT</b>		
	Aluminum and Fiberglass Construction Cab Aluminum Bulkhead Doors		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	Continuous Stainless Steel Piano Type Door Hinges and Pins Single Piece Windshield		
	Rear cab wall should be sheet aluminum with no rear window. Peeper Window in Right Hand Door Coat Hook Located on Rear Wall, Centered Above Rear Window Rectangular, Overhead Mounted, Door Activated Dome Light Tinted Glass in All Windows Grab Handles on Officer Side, Mounted on "A" Pillar Above Dash Grab Handles on Driver Side, Mounted on "A" Pillar Above Dash NFPA Compliant Exterior Grab Handles, One Each Side Rear of Doors Red Seat Belts to Comply with NFPA 1901 NFPA Compliance Kit with VDR and Seat Sensor Harness for OEM Use Under Dash Console with Two (2) Cup Holders Ignition Doors Keyed Alike Triangle Reflector Kit with Three Triangles in Carrying Case One (1) 5 lb. Dry Chemical Fire Extinguisher		
3.2.16	<b>Steering Column</b>		
	Tilt/Telescope Steering Column Black, 18 inch four (4) spoke steering wheel		
3.2.17	<b>Air Conditioning</b>		
	Air Conditioning Integral with heater & defroster HC134A Refrigerant Rotary Five (5) Mode Control		
3.2.18	<b>Cab Exterior</b>		
	Two (2) Remote Controlled Cowl Mounted, Bright Finished Moto Mirrors		
	Heated Flat Portion, 7"x16" thermostatically controlled 102" Wide Spacing		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	7-1/2" Convex Both Sides, Non Heated 8-1/2" x 4-7/16" Above Right Hand Door, Non Heated 17 x 36 Tinted Rear Window Sloped Aerodynamically Tilting Hood with Integral grille		
3.2.19	<b>Cab Interior Trim</b>		
	Locking Glove Box		
	Slate gray primary interior color Gray w/Burl wood accents dash panels Dark slate grey, rubber floor covering Two (2) padded vinyl sun visors Door trim panels, molded plastic; driver and passenger doors Vinyl headliner & cab back panel Power operated windows with controls on door panels AM/FM/WB/USB and bluetooth stereo radio with dual speakers		
3.2.20	<b>Seating</b>		
	Air Ride Driver Seat, Dark Slate Gray Vinyl, NFPA Compliant, Air Suspension, High Back with Integral Headrest and Dual Arm Rests, Seat Sensors and Switches with Red 3-Point, Lap and Shoulder Belt Passenger Seat, Dark Slate Gray Vinyl, NFPA Compliant, Fixed Tool Box Base with Hinged Door, High Back With Integral Headrest, Dual Arm Rests, Seat Sensors and Switches with Red 3-Point, Lap and Shoulder Belt		
3.2.21	<b>Electrical System</b>		
	Headlight dimmer switch integral with turn Signal lever Wiring color coded and continuously numbered Single electric horn Multiplex wiring for interior lights Automated pre trip inspection Windshield wipers, two (2) speeds with intermittent settings Electric windshield washers		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_



SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	Wiper switch on turn signal control arm Parking lights integral with front turn signals Two (2) Halogen Projector Headlights Daytime running lights Four (4) position, keyless ignition switch Warning alarm when headlights are left on and ignition is turned off Door courtesy lights Turn signal switch, self-cancelling Fender mounted front turn signals Turn type battery disconnect switch located in cab Five (5) roof mounted LED amber clearance/marker lights Manual-reset circuit breakers (main panel) SAE Type III with trip indicators ipso fuses except for 5-Amp fuses Multi-function engine connector for interface with body builder Cruise control with dash mounted switches Body builder harness from back of cab to end of frame for stop, tail, turn and marker lights Horn solenoid switch, foot controls and wiring for OEM installed air horns		
3.2.22	<b>INSTRUMENTATION</b>		
	MPH Speedometer Tachometer Engine oil pressure Engine coolant temperature Fuel level Voltmeter Fuel filter restriction gauge Air cleaner restriction indicator gauge Primary and secondary air reservoir gauges Air application gauge DEF level gauge with warning lamp Engine hour meter Outside air temperature		
3.2.23	<b>Driver Information Center</b>		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	Fuel Economy RPM Display Trip Information Truck Information Diagnostics Gear Display Alarm Clock		
3.2.24	<b>PAINT</b>		
	Paint Scheme, two (2) tone (White PPG 2185)(Red PPG70837) Polyurethane Base Coat/Clear Coat Frame Painted Black with High Solids Polyurethane Paint Paint break to be determined at pre-construction. Gold Leaf stripping at the paint break for the cab.		
3.2.25	<b>EMBER SEPERATOR</b>		
	An air inlet shall be equipped with a stainless mesh screen for separating water and burning embers from the air intake system such that particulate matter larger than 0.039" (1.0mm) in diameter cannot reach the air filter element.		
3.2.26	<b>SEAT BELT CLARIFICATION</b>		
	Red seat belts shall be provided if available from the chassis manufacturer.		
3.2.27	<b>BUMPER</b>		
	The front bumper shall be constructed of stainless steel, shall be covered with lime green and tomato red reflective material in a chevron pattern and extend as provided by the chassis manufacturer. Utilixing Scotchlite diamond grade stripping.		
3.2.28	<b>FUEL TANK TREAD PLATE</b>		
	The step type fuel tank shall be overlaid with polished aluminum tread plate. This shall include the top, front and both ends. Step areas shall be provided for access to the cab. Step areas shall be fabricated from Alcoa "No-Slip" tread plate.		
3.2.29	<b>BATTERY BOX TREAD PLATE</b>		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	The battery box shall be overlaid with polished aluminum tread plate. The cover of this box shall be easily removable for inspection of the batteries.		
3.2.30	<b>CENTER CONSOLE</b>		
	<p>A center console fabricated from 1/8" aluminum shall be furnished and shall be located between the drive and officers seats.</p> <p>The forward area of the console shall have a mounting surface for emergency lighting rocker switches, electronic siren control box and traffic advisor control box within reach of the driver and officer. In addition, the console shall be equipped with two (2) map/notebook storage pockets at the rear of the console.</p> <p>The console shall be finished with a slate/charcoal color polyurethane textured coating to match the interior of the cab.</p> <p>Exact console dimensions shall be determined during pre-build.</p>		
3.2.31	<b>DOCKING STATION</b>		
	A Havis docking station shall be provided and installed on the center console for mounting fire department provided laptop. The fire department shall provide the correct model number of the docking station.		
3.2.32	<b>ANTENNA INSTALLATION</b>		
	Two (2) antenna mounting base(s) model #MATM with 17' of coaxial cable shall be provided and installed on the cab roof. The attached antenna wire(s) shall be terminated in the center console. The Fire Department is responsible to have the correct antenna whip installed once the apparatus is delivered.		
3.2.33	<b>TIRE PRESSURE MONITORING DEVICES</b>		
	Each tire shall be equipped with an LED tire alert pressure management system ( Vescafe equal ) that shall monitor tire pressure. A chrome plated brass sensor shall be provided on the valve stem of each tire.		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	The sensor shall calibrate to the tire pressure when installed on the valve stem for pressures between 20 and 120 psi. The sensor shall activate an integral battery operated LED when the pressure of that tire drops 8 psi.		
3.2.34	<b>AUXILIARY AIR MANIFOLD</b>		
	All auxiliary air devices on the commercial chassis shall be fed from a common manifold. The common manifold shall be installed at an accessible location near the chassis air tanks. The manifold shall be fed by a 3/8" Synflex air line plumbed from the primary air tank using a pressure protection valve. Unused ports shall be closed off using an appropriately sized plug.		
3.2.35	<b>SEAT BELT CUSHION SENSORS AND BELT SENSORS</b>		
	Apparatus shall be equipped with an Akron/Weldon seat belt warning system. The system shall consist of a Seat Belt Module, dash mounted display and an audible alarm.  Seat belt and seat cushion sensors shall be provided on the two (2) specified seating positions.		
3.2.36	<b>VEHICLE DATA RECORDER</b>		
	An Akron/Weldon Vehicle Data Recorder (VDR) system shall be provided. The system shall include an NFPA compliant "Black Box" with reporting software that shall be capable of data storage to coincide with NFPA requirements.  Data storage capabilities shall include interfaces with the following systems: Display Module (Master Optical Warning Device) VDR, date & time stamp Max Vehicle speed (MPH) Vehicle acceleration/deceleration (MPH/Sec.) Engine Speed (RPM) ABS event Data password protected Data sampled once per second, in 48-hour loop Data sampled min by min for 100 engine hours Throttle position ( % of Throttle )		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	Data software PC / Mac Compatible Data summary reports  A Weldon model #0L40-2597-00 VDR download harness shall be supplied with the system to allow the data to be downloaded to a computer.		
3.2.37	<b>VEHICLE DATA RECORDER DOWNLOAD HARNESS</b>		
	A Weldon model #0L40-2597-00 VDR download harness shall be supplied with the system to allow the data to be downloaded to a computer.		
3.2.38	<b>GENERATOR MOUNT PROVISION</b>		
	The driver side PTO port on the transmission shall utilize for specified PTO direct drive generator.		
3.2.39	<b>COMMERCIAL CHASSIS ELECTRICAL SYSTEM</b>		
	The commercial chassis electrical system shall be provided as furnished by the original manufacturer. A customized interface shall be provided and designed, not to disturb any of the required chassis functions. The necessary interfaces shall only be provided in areas where load management is allowed or with accessory components provided on the chassis.		
3.2.40	<b>12 VOLT ELECTRICAL SYSTEM TESTING</b>		
	The apparatus low voltage electrical system shall be tested and certified by the manufacturer. The certification shall be provided with the apparatus. All tests shall be performed with air temperature between 0°F and 100°F.		
	The following three (3) tests shall be performed in order. Before each test, the batteries shall be fully charged.		
3.2.41	<b>TEST #1-RESERVE CAPACITY TEST</b>		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for ten (10) minutes. All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a test failure.		
3.2.42	<b>TEST #2-ALTERNATOR PERFORMANCE TEST AT IDLE</b>		
	The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.		
3.2.43	<b>TEST #3-ALTERNATOR PERFORMANCE TEST AT FULL LOAD</b>		
	The total continuous electrical load shall be activated with the engine running up to the engine manufacturers governed speed. The test duration shall be a minimum of two (2) hours. Activation of the load management system shall be permitted during this test. However, an alarm sounded due to excessive battery discharge, as detected by the system, or a system voltage of less than 11.7 volts DC for a 12 volt system, for more than 120 seconds, shall be considered a test failure.		
3.2.44	<b>LOW VOLTAGE ALARM TEST</b>		
	Following completion of the preceding tests, the engine shall be shut off. The total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm is activated.		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	<p>The battery voltage shall be measured at the battery terminals. With the load still applied, a reading of less than 11.7 volts shall be considered a test failure. The battery system shall then be able to restart the engine.</p> <p>At time of delivery, documentation shall be provided with the following information:</p> <p>Documentation of electrical system performance test a written load analysis of the following;</p> <p>Nameplate rating of the alternator .</p> <p>Alternator rating at idle while meeting the minimum continuous electrical load.</p> <p>Each component load comprising the minimum continuous electrical load.</p> <p>Additional loads that, when added to the minimum continuous load, determine the total connected load.</p> <p>Each individual intermittent load</p>		
3.2.45	<b>LOAD MANAGEMENT SYSTEM</b>		
	<p>A load management system shall be provided. The load manger shall have 16 programmable outputs to supply warning and load switching requirements. The load management system shall be capable of offering load sequencing, load shedding, fast idle control, low voltage warning, scene mode operation and response mode operation.</p>		
	<p>Outputs 1 thru 12 shall be independently programmable to activate during the scene mode, the response mode or both. The outputs can also be programmable to activate with the ignition or master warning switch, or to sequence and shed along with the priority. Output 13 shall be designated to activate a fast idle system. Output 14 shall provide a low voltage warning for an isolated battery. Output 15 is a user configurable output and shall be programmable for activating between 10.5 and 15 volts. Output 16 shall provide a low voltage alarm that activates at the NFPA required</p>		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	11.8 volts.		
	The load management shall have a digital display to indicate system voltage in normal operation mode and also indicate the output configuration during programming mode.		
	The load management shall also be protected against reverse polarity and shortened outputs, and be enclosed in a metal enclosure to enhance EMI/RFI protection.		
3.2.46	<b>CHASSIS DIAGNOSTICS SYSTEM</b>		
	Diagnostic ports shall be accessible while standing on the ground and located inside the driver's door left of the steering column. The diagnostic panel shall allow diagnostic tools such as computers to connect to various vehicle systems for improved troubleshooting providing a lower cost of ownership. Diagnostic switches shall allow engine and ABS systems to provide blink codes should a problem exist.  The diagnostic system shall include the following: A single port to monitor the engine, transmission and ABS system and diagnostics of the roll sensor (if applicable) Engine diagnostic switch (blink codes) ABS diagnostic switch (blink codes) Allison Transmission Codes (through touch pad shifter).		
3.2.47	<b>BATTERY DISCONNECT SWITCH</b>		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_



SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	The chassis batteries shall be wired in parallel to a single 12 volt electrical system, controlled through heavy duty master disconnect switch. The master disconnect switch shall be located within easy access of the driver upon entering or exiting the cab.		
3.2.48	<b>120 VOLT SHORELINE CONNECTION- "SUPER" AUTO EJECT</b>		
	One (1) Kussmaul "Super" Auto Eject model 091-55-20-120, automatic, 120 volt, 20 amp shoreline disconnect shall be provided for the on board, 110 volt battery charging systems.		
	The disconnect shall be equipped with a NEMA 5-20 P male receptacle, which shall automatically eject the shoreline when the vehicle starter is energized. A label shall be provided indicating voltage and amperage ratings.		
3.2.49	<b>SHORELINE POWER INLET PLATE</b>		
	A shoreline power receptacle information plate shall be permanently affixed at or near the power inlet. The plate shall indicate the following; Type of Line Voltage Current Rating in Amps Power Inlet Type (DC or AC)		
	The Kussmaul auto-eject connection shall be equipped with a Yellow weatherproof cover.		
	The shoreline receptacle shall be located in the driver's cab step well.		
3.2.50	<b>BATTERY CHARGER SYSTEM</b>		
	A Kussmaul model # 091-168-12, "Auto Charge SD", fully automatic battery charger shall be provided for maintaining the vehicle battery system. Unique electronic sensing circuits sense the true battery voltage while eliminating the need for external sense wires. Output current shall be 50 amperes @ 12 volt DC.		
	A LED bar graph display shall be located near the shoreline connection to monitor the battery status.		
3.2.51	<b>DOOR OPEN INDICATOR</b>		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	A Whelen model # 35R00RR LED shall be furnished on the cab ceiling with Whelen model # 3FLANGEC flange to signal when an unsafe condition is present such as an open cab door or body compartment door, an extended light tower or any other device which is opened, extended or deployed which may cause damage to the apparatus if it is moved.		
	The light shall be activated through the parking brake switch to signal when the parking brake is released. The light shall be labeled "DO NOT MOVE TRUCK".		
3.2.52	<b>12 VOLT ACCESSORY CIRCUITS- IN CENTER CONSOLE</b>		
	One (1) dedicated circuit; 12 volt, 40 amp, power and ground on 3/8 stud and fused at battery shall be provided in center console.		
	An additional 12 volt, 20 amp, power stud shall be installed next to the studs above and shall be switched with ignition circuit.		
	The circuit shall be for future installation of radios and accessories.		
	Truck-Lite Model # 18 red LED marker lights with integral reflectors shall be provided at the lower side rear, one (1) each side.		
	Truck-Lite Model # 60115Y yellow LED side marker and turn lights shall be provided in the apparatus lower side black body rub rail, forward of rear axle, one (1) each side.		
	One (1) Truck-Lite black flange/grommet shall be provided for each intermediate turn light.		
	Truck-Lite Model # 19 red LED clearance lights shall be provided on the apparatus rear upper, one (1) each side at the outer most practical location.		
	Truck-Lite Model # 33740R LED 3-lamp identification bar will be provided on the apparatus rear center. The lights shall be red in color.		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	Truck-Lite # 98034Y yellow reflectors shall be provided on the apparatus body lower side, as far forward and low as practical, one (1) each side if apparatus is 30' long or longer.		
	Truck-Lite # 98034R red reflectors shall be provided on the apparatus rear, one (1) each side at the outer most practical location.		
3.2.53	<b>LED LICENSE PLATE LIGHTS - REAR</b>		
	Two (2) Whelen model # 0AC0EDCR LED license plate lights shall be provided above the mounting position of the license plate. The lights shall be clear in color and shall have a chrome finish. They shall be mounted 1-2" high above the license plate and spaced apart 3" off center.		
3.2.54	<b>TAIL, STOP, TURN AND BACK-UP LIGHTS</b>		
	Two (2) Whelen M6 series, 4-5/16"x 6-3/4", LED red combination tail and stop lights, shall be mounted one (1) on each side at the rear of the body.		
	Two (2) Whelen M6 series, 4-5/16"x 6-3/4", LED amber arrow turn signal lights, shall be mounted one (1) on each side, on a vertical plane with the tail/stop lights.		
	Two (2) Whelen M6 series, 4-5/16"x 6-3/4", LED white back-up lights, shall be mounted, one (1) each side on a vertical plane with turn/tail/stop signals. These lights shall activate when the transmission is placed in reverse gear.		
	Two (2) Whelen M6FCV4 mounting flanges, installed one (1) on each side, shall be provided to mount the lights described above in one common mounting flange. The fourth opening shall be for NFPA zone c lower warning lights.		
	The lights shall be mounted in order, from top to bottom, as described above.		
3.2.55	<b>BODY STEP LIGHTS</b>		
	Chrome plated Whelen model # PELCC, shielded LED body step lights shall be provided and activate when parking brake is engaged. Step lights shall be located to properly illuminate all body access steps and walkway areas.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
3.2.56	<b>SCENE LIGHTS - REAR OF BODY</b>		
	Two (2) Whelen model # PCPSM1C pioneer surface mount LED work lights with chrome surface mount housing shall be provided, one (1) each side of the rear body panel. Each light shall draw six (6) amps and generate 8,000 lumens. The scene lights shall be wired through the load management system. Lights shall be mounted below NFPA zone C upper warning M9R lights.		
3.2.57	<b>REAR OF BODY LIGHT SWITCHING - CAB</b>		
	A switch shall be provided in the cab warning light switch console to turn the rear body lights on and off.		
3.2.58	<b>REAR SCENE LIGHTS - ADDITIONAL ACTIVATION</b>		
	In addition to the cab mounted switch for the rear scene lights, the rear lights shall illuminate when the transmission is placed in reverse gear.		
3.2.59	<b>GROUND LIGHTS - CAB</b>		
	One (1) Whelen model # PSC0ADCR hi-intensity LED Strip-Lite shall be provided under each side cab door entrance step mounted on Whelen model # PSBKT451 45° stainless steel bracket, two (2) total lights and two (2) brackets. The ground lights shall turn on automatically with each respective door jamb switch and also by a master ground light switch in the warning light switch console.		
3.2.60	<b>GROUND LIGHTS - BODY</b>		
	One (1) Whelen model # PSC0ADCR hi-intensity LED Strip-Lite shall be provided each side of rear body step and one (1) forward and one (1) rear of each side rear tire, six (6) total body lights. The lights shall be mounted on Whelen model # PSBKT451 45° stainless steel brackets six (6) total brackets. The ground lights shall be activated by a master ground light switch in the cab and shall be wired through the load management system.		
3.2.61	The cab and body ground lights shall also activate by engaging the parking brake.		
3.2.62	<b>12 VOLT BODY ELECTRICAL SYSTEM</b>		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	All electrical lines in the body shall be protected by automatic circuit breakers, conveniently located to permit ease of service. Flashers, heavy solenoids and other major electrical controls shall be located in a central area near the circuit breakers.		
	All lines shall be color and function coded every 3", easy to identify, oversized for the intended loads and installed in accordance with a detailed diagram. A complete wiring diagram shall be supplied with the apparatus.		
	Wiring shall be carefully protected from weather elements and snagging. Heavy duty loom shall be used for the entire length. Grommets shall be utilized where wire passes through panels.		
	In order to reduce the risk of heat damage, wires run in the engine compartment area shall be carefully installed and suitably protected by the insulation of heat resistant shielded loom.		
	All electrical equipment shall be installed to conform to the latest federal standards as outlined in NFPA 1901.		
3.2.63	<b>BODY ELECTRICAL JUNCTION COMPARTMENT</b>		
	An electric junction compartment shall be provided within the body. This compartment shall provide an easily accessible enclosure to house all of the body wiring junction points, terminal strips, solenoids, etc. A removable panel shall be provided for access to this compartment.		
3.2.64	<b>ENGINE COMPARTMENT WORK LIGHTS</b>		
	Two (2) white/clear LED lights shall be provided inside the engine enclosure that will provide a minimum of 20 candlepower illumination. Each light shall have their own independent switch incorporated into the light head.		
3.2.65	<b>ROM TRACK MOUNTED COMPARTMENT LIGHTS - LED</b>		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	Each individual, equipment storage compartment shall be equipped with the ROM LED V4 lights on the forward and rear edge of each body door opening. The lights shall be mounted in an anodized aluminum track provided by ROM either as a standalone unit or an integrated part of the roll up shutter door track. The lights shall be designed and manufactured to be water proof meeting the IPX7 industry standard and shall include a streamline optic lens and a fixed lumen output across 9-16vdc. Each LED module shall be of interlocking design and shall be able to be serviced/replaced without the removal of light assembly or shutter door.		
	Two (2) ROM DuroLumen V4 LED lights shall be provided and recessed into the ceiling in compartments L1 and R1. Total of four (4) lights. Each light shall have six (6) white LED's for a total output of 1,400 lumens.		
3.2.66	<b>SURFACE MOUNT PIONEER LED FLOOD/SPOT LIGHTS - DRIVER SIDE</b>		
	Two (2) Whelen Pioneer model # PCPSM1C surface LED lights shall be installed one (1) on the forward and one (1) on the rear upper body driver side corners to the inside of NFPA zone B7D upper M9R lights.		
	Each lamp head shall have spot/flood combination pattern, integrated chrome aluminum housing and shall draw six (6) amps and generate 8,000 lumens.		
3.2.67	<b>SURFACE MOUNT PIONEER LED FLOOD/SPOT LIGHTS - OFFICER SIDE</b>		
	Two (2) Whelen Pioneer model # PCPSM1C surface LED lights shall be installed one (1) on the forward and one (1) on the rear upper body officer side corners to the inside of NFPA Zone B&D upper M9R lights.		
	Each lamp head shall have spot/flood combination pattern, integrated chrome aluminum housing and shall draw six (6) amps and generate 8,000 lumens.		

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SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
3.2.68	<b>OFFICER SIDE OF BODY LIGHT SWITCHING - CAB</b>		
	A switch shall be provided in the cab warning light switch console to turn the officer side of body lights on and off.		
3.2.69	<b>DRIVER SIDE OF BODY LIGHT SWITCHING - CAB</b>		
	A switch shall be provided in the cab warning light switch console to turn the driver side of body lights on and off.		
3.2.70	<b>NFPA AUDIBLE AND LIGHTING WARNING PACKAGE</b>		
	The following warning light package shall include all of the minimum warning light and actuation requirements for the current revision of the NFPA 1901 Fire Apparatus Standard. The lighting as specified shall meet the requirements for both "Clearing Right of Way" and "Blocking Right of Way" which includes disabling all white warning lights when the apparatus is in "Blocking Right of Way" mode.		
3.2.71	<b>LIGHT PACKAGE ACTUATION CONTROLS</b>		
	The entire warning light package shall be actuated with two (2) warning light switches located on the cab switch panel. The wiring for the warning light package shall engage all of the lights required for "Clearing Right of Way" mode when the vehicle parking brake is not engaged. An automatic control system shall be provided to switch the warning lights to the "Blocking Right of Way" mode when the vehicle parking brake is engaged. "Clearing Right of Way" warning lights shall have its own rocker switch for turning off clear lights during certain weather conditions deemed by the driver/operator.		
3.2.72	<b>WARNING LIGHT FLASH PATTERN</b>		
	All of the perimeter warning lights shall be set to an NFPA compliant flash pattern by the apparatus manufacturer.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
3.2.73	<b>NFPA ZONE A, UPPER</b>		
	A Whelen #FN55QLED "Edge Freedom", 55" LED cab roof warning light bar shall be furnished and rigidly mounted on top of the cab roof.		
	The light bar shall be equipped with the following: Clear Lenses Two (2) red front corner linear LED's Two (2) white forward facing Linear LED's Two (2) red end linear LED's Two (2) red rear corner linear LED's Two (2) pairs of Whelen red "Rota-Beam" forward facing half rotating super LED lights		
	Two (2) Whelen M6R super LED lights shall be mounted on the upper front face of the body one (1) at each corner near body roof line with chrome plated mounting flange.		
	If equipped, the forward facing white lights shall be automatically disabled for the "Blocking Right of Way" mode.		
3.2.74	<b>NFPA ZONE C, UPPER</b>		
	Two (2) Whelen M9R super LED lights shall be furnished and mounted one (1) each side on the upper rear face of the body just below the roof line and above the rear scene lights with chrome plated mounting flange.		
3.2.75	<b>NFPA ZONES B &amp; D REAR, UPPER</b>		
	Two (2) Whelen M9R super LED lights shall be furnished and mounted one (1) each side on the upper side face, towards the rear of the body with chrome plated mounting flange.		
3.2.76	<b>NFPA ZONES B &amp; D FRONT, UPPER</b>		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	Two (2) Whelen M9R, super LED lights shall be furnished and mounted on one (1) each side on the upper side face, towards the front of the body with chrome plated mounting flange.		
3.2.77	<b>NFPA ZONE A, LOWER</b>		
	Four (4) Whelen M6R super LED lights shall be provided and installed one (1) near each corner of the front grill with chrome plated mounting flange. Two (2) Whelen M4C super LED lights shall be installed one on each side centered in front grill and service as "Clearing Right of Way" lights.		
	The lower zone A warning lights shall be mounted in the commercial chassis grille.		
3.2.78	<b>NFPA ZONE C, LOWER</b>		
	Two (2) Whelen M6R super LED lights shall be provided and installed; one (1) each side directly below DOT stop, tail, turn and backup lights in M6 four (4) lighthouse chrome plated flange.		
3.2.79	<b>NFPA ZONES B &amp; D FRONT, LOWER</b>		
	Two (2) Whelen M6R super LED lights shall be provided and installed one (1) each side with chrome plated mounting flange.		
	The lower zone B & D warning lights shall be mounted on the sides of the commercial chassis hood.		
3.2.80	<b>NFPA ZONES B &amp; D BODY MIDSHIP</b>		
	Two (2) Whelen M6R super LED lights shall be provided and installed one (1) each side of body above fender well with chrome plated mounting flange.		
3.2.81	<b>NFPA ZONES B &amp; D BODY LOWER</b>		
	Four (4) Whelen model # WIONSMR wide angle LED lights shall be provided and installed one (1) each side forward of rear tire recessed in black body rub rail and one (1) each side rear of rear tire recessed in black body rub rail.		
3.2.82	<b>WARNING LIGHT SYSTEM CERTIFICATION</b>		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	<p>The warning light system(s) specified above shall not exceed a combined total amperage draw of 45 AMPS with all lights activated in either "Clearing Right of Way" or the "Blocking Right of Way" mode.</p> <p>The warning light system(s) shall be certified by the light system manufacturer(s), to meet all of the requirements in the current revision of the NFPA 1901 Fire Apparatus Standard as noted in the General Requirements section of these specifications. The NFPA required "Certificate of Compliance" shall be provided with the completed apparatus.</p>		
3.2.83	<b>AUXILIARY WARNING LIGHTS</b>		
	One (1) Whelen model # TA4437M LED split traffic advisor shall be mounted (one piece) on each side of rear body entry door below rear body scene lights. Traffic advisor shall be wired to display a random warning flash pattern when master warning light switch is activated to provide additional NFPA zone C warning. Traffic advisor shall be wired so manual operation will function when master switch is activated and master warning switch is not activated. Control head for traffic advisor shall be mounted in cab in the center console for ease of reach by the driver or officer.		
	One (1) Tri-Lite TB8-L1 clear LED flush mount light in a chrome housing shall be mounted centered in the upper portion of chassis grill to serve as additional "Clearing Right of Way" warning in NFPA zone A lower. Light activate when master warning light switch is activated and wired to Clearing Right of Way switch in cab to be turned off if deemed needed by the driver.		
3.2.84	<b>BACK-UP ALARM</b>		
	An electric or electronic backup alarm shall be provided that meets the Type D (87 dBA) requirements of SAE J994.		
3.2.85	<b>AIR HORNS</b>		

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SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	Two (2) GROVER chrome plated 1510 stutter tone air horns shall be at the front of the vehicle. The air horns shall be mounted in full compliance with NFPA-1901. The supply lines shall be dual 1/4" lines with equal distance from each horn.		
	Each air horn shall be mounted, one (1) on each side of the hood.		
	The air horn(s) shall be controlled by a push button/paddle located on the floor board, on the officer's side and the steering wheel horn button for the driver. An air horn/ electric DOT horn selector switch shall be be furnished on the dash for the drivers steering wheel horn button.		
3.2.86	<b>ELECTRONIC SIREN AMPLIFIER</b>		
	One (1), Whelen #295HFSC9, 200 watt electric siren with detachable PA mic shall be installed in the cab center console.		
3.2.87	<b>ELECTRONIC SIREN SPEAKER</b>		
	Two (2) Whelen model # SA122FMP polished aluminum siren speakers shall be provided recessed in the front bumper one (1) inline with each headlight and wired to the siren amplifier.		
3.2.88	<b>RESCUE BODY DESIGN CONSTRUCTION</b>		
	The body side and compartment assemblies shall be designed and assembled to provide maximum strength and durability under all operating conditions.		
	Special attention shall be taken to minimize rust on all fabricated parts and structural members of the body. All bolt-on components shall be provided with a dissimilar metals isolation barrier to prevent electric corrosion. The body design shall also incorporate removable panels to access spring hangers, rear body mounts and fuel tank sending units.		
	Paint Scheme, Two Tone (White PPG 2185)(Red PPG70837)		
	The body shall be an all Heliarc welded construction for maximum strength and integrity for the entire life of the apparatus. The body assembly shall be a single unit completely isolated from the cab.		

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SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
3.2.89	<b>BODY AND COMPARTMENT FABRICATION - 3/16" ALUMINUM</b>		
	All compartment panels and body side sheets shall be entirely 3/16" aluminum (5052-H32) <b>No Exceptions.</b> Each side compartment assembly shall be both plug welded and stitch welded to ensure proper weld penetration on all panels while avoiding the possible warping caused by a full seam weld. The side compartments and body side panels are then set into a body squaring fixture where the super structure is installed and the entire body is aligned to be completely symmetrical. The super structure is then welded to the compartment side panels and reinforced plates are inserted which allows the compartment panels to become an integral component of the body support structure. A full seam weld shall not be used due to the applied heat which shall distort sheet metal and remove the protective coating from the perimeter of the welded area. All seams shall be caulked prior to finish paint to ensure proper compartment seal.		
3.2.90	<b>96" WIDE RESCUE BODY</b>		
	The rescue body shall be 96" wide to provide the maximum amount of usable compartment space and to extend the body fenderettes outward for better tire tread coverage.		
3.2.91	<b>SUPER STRUCTURE - ALUMINUM</b>		
	The body super structure shall be an all welded configuration utilizing a combination of 3" x 1 1/2" 6061-T6 thick walled structural tubing and 6061 structural channel. Body structures that utilize materials other than aluminum for the aluminum body will not be acceptable. <b>No Exceptions.</b>		
	This structure shall be designed to totally support the full length and width of the body and shall be welded to the body side compartments by use of reinforcement plates to incorporate the compartments into an integral part of the body weldment.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	The super structure shall be attached to the sides of the chassis frame at a minimum of four (4) points. The mounting points, forward of the rear axle, will be spring mounted to allow body flex independent of frame rails.		
3.2.92	<b>STEPPING, STANDING, &amp; WALKING SURFACES</b>		
	All stepping, standing, and walking surfaces on the body shall meet NFPA # 1901 anti-slip standards. Aluminum tread plate utilized for stepping, standing, and walking surfaces shall be ALCOA No Slip type. Upon request by the Purchaser, the manufacturer shall supply proof of compliance with this requirement.		
	All vertical surfaces on the body , which incorporate aluminum tread plate, will utilize the same material pattern to provide a consistent overall appearance.		
3.2.93	<b>WALKWAY SUB-FLOOR</b>		
	The under structure floor shall be of 1/8" aluminum plate welded to the base of the aluminum channel cross sills. This shall insure a total seal from any moisture penetration into the insulation between the sub-frame cross sills.		
3.2.94	<b>ROOF CONSTRUCTION</b>		
	The apparatus body and roof panel construction shall be integral, and reinforced for maximum strength.		
	The roof shall be 3/16" 3003H-12 aluminum tread plate welded to the interior roof members with roof cross members every 16" for added strength. The roof perimeters shall be constructed of aluminum radius extrusions with built in drip molding along outside edge. A vertical recessed slot shall be incorporated into the roof extrusion to allow the body side sheet to be recessed into the roof corner, allowing a weather tight seal and all welding to be done behind the body side sheet minimizing the need for sheet metal work.		
	All roof seams shall be continuously welded. Heliarc welding shall be used for this process.		

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SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
3.2.95	The roof members shall be 2"x 2"x1/4" wall square tubing welded in place on approximately 16" centers and supported by side vertical wall members. Attachment of the roof skin with pop rivets or sheet metal screws, or support of the roof surface with plywood are not acceptable and grounds for rejection.		
	<b>LEFT SIDE COMPARTMENT #1</b>		
	68" high x 67" wide x 26" deep over frame. Roll-out tray with 1500 pound rating.		
	Roll-up door		
	Door opening: 64" high x 64" wide		
	Clear opening: 58" high x 61" wide		
	The following accessories shall be installed: One (1) floor mounted rollout tray(s) that extend into the right side # 1 compartment One (1) floor extension		
3.2.96	<b>LEFT SIDE COMPARTMENT #3</b>		
	68" high x 67" wide x 26" deep		
	No interior compartment walls near SCBA bottles, exterior bottle access required.		
	Roll-up door		
	Door opening: 64" high x 36" wide		
	Clear opening: 58" high x 33" wide		
3.2.97	<b>RIGHT SIDE COMPARTMENT #1</b>		
	68" high x 67" wide x 26" deep/Transverse over frame		
	Roll-up door		
	Door opening: 64" high x 58" wide		
	Clear opening: 58" high x 55" wide		
	A custom cylinder rack designed to hold twenty (2) "D" sized medical oxygen cylinders (18" long X 4" diameter) shall be provided in the lower section of the R-1 compartment below the floor extension. The rack shall be constructed from aluminum sheet. Each cylinder rack will have its own storage cell lined with non-abrasive rubber matting. The storage rack will include provisions to keep the cylinders in place while the apparatus is in motion.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
3.2.98	<b>RIGHT SIDE COMPARTMENT #3</b>		
	68" high x 67" wide x 26" deep		
	No interior compartment walls near SCBA bottles, exterior bottle access required.		
	Door opening: 64" high x 36" wide		
	Clear opening: 58" high x 33" wide		
3.2.99	<b>12" RECESSED REAR STEP</b>		
	Rear step shall be 12 inches deep, fabricated of 3/16" polished aluminum tread plate, and rigidly reinforced with 3"x 1 1/2" rectangular tubing incorporated into the body support structure. The rear edge of the step shall be designed to accommodate the rear clearance lights, recessed for protection into the step reinforced channel.		
3.2.100	<b>PAINTED REAR ENTRANCE DOOR TO BODY</b>		
	Access to the crew area shall be through a single painted overlap door. The door shall have two (2) fixed, HEHR brand or equivalent, windows approximately 18"x18". Both windows shall have automotive safety glass.		
	The rear door opening ( clear door opening ) shall be 34" wide x 75" high. The floor to the interior ceiling shall be 77".		
	The rear door construction shall be 3/16" thick outer door skin. The door shall be full box pan design for strength and appearance. The door shall have an inside and outside door handle. The door shall be equipped with a rotary type slam latch on the top and bottom of the door to comply with FMVSS 206.		
	The door shall have an outside paddle handle near the bottom of the door to control the rotary slam latch. The outside door handle shall be approximately 47" from the ground. A 19" extruded aluminum 1-1/4" diameter handrail with rubber inserts shall be horizontally mounted on the inside of the door to aid in closing. Inside door handle and latch shall be mounted approximately halfway up on the door.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	Rear door shall have a chrome plated socket and plunger hold open device.		
	A closed cell foam rubber seal shall be installed around the perimeter of the door and on the hinge side to provide a complete water tight seal.		
	The rear door shall also have 1 1/4" foam insulation between the inside and outside skin.		
	Rear step shall be 12" deep, fabricated of 3/16" polished aluminum tread plate, and rigidly reinforced with 3" x 1 1/2" rectangular tubing incorporated into the body support. This will be designed to incorporate rear clearance lights that will be recessed for protection.		
	The apparatus body side shall be equipped with HEHR brand or equivalent, custom built, heavy duty transportation type windows.		
	These windows shall be installed as follows: One (1) each side of body		
	These windows shall be a four (4) track type of all extruded aluminum construction and shall be rectangular with radius corners for a more streamline appearance. All glass shall be tinted safety automotive type. The size of each window shall be 22" high x 40" long, double sliding windows large enough to be used for kick out escape and apparatus body ventilation.		
3.2.102	<b>BODY PROTECTION PANELS</b>		
	The rear surface of the body, around the rear entry doors and the side walls of the recessed rear step, (when applicable), shall be overlaid with a polished aluminum tread plate protection panel.		
3.2.103	<b>TRANSVERSE FRONT COMPARTMENT</b>		
	The front compartment of the Walk-In Rescue body shall be transverse. Unless noted by the purchaser, the width of the transverse area shall match the interior width of Compartment R1/L1.		
3.2.104	<b>HANDRAILS</b>		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	All hand rails shall be 1-1/4" knurled, bright anodized aluminum tubing, designed to meet NFPA-1901 requirements.		
	Molded gaskets shall be installed between the handrail stanchion castings and body surfaces to prevent electrolytic reaction between dissimilar metals and to protect paint.		
3.2.105	<b>HANDRAIL LOCATIONS</b>		
	One (1) each side at the rear of the rescue body		
	One (1) rail shall be mounted vertically inside the rear access doors to assist entry of body.		
	A 1/8" aluminum plate walkway floor installed above the sub-floor with a minimum of 4" vertical break on each side of the floor panel to form a weather tight splash and kick board along the walkway sides. Above the 4" kick board shall be an additional protection panels of 1/8" aluminum plate. These panels shall be secured to the vertical walkway walls and the rear of the exterior compartment with the stainless steel screws. The interior walkway and floor shall be coated with a textured polyurethane coating that provides extreme waterproofing and meets NFPA 1901 anti-slip requirements. The textured coating shall be slate or charcoal in color.		
	The floor area shall be watertight so it may be flushed out with a water hose.		
3.2.107	<b>INTERIOR FINISH</b>		
	The entire wall area, ceiling and area above all exterior compartments where cabinets are not placed (countertops) shall be coated with a slate or charcoal color textured polyurethane coating.		
3.2.108	<b>INTERIOR INSULATION</b>		
	Following the sheet metal fabrication, the interior of the body shall be chemically cleaned, metal etched, primed prior to installation of any wiring or insulation.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	The complete roof area and all exterior walls of the superstructure shall be fitted with foam insulation of at least 1 1/4" in thickness. This insulation shall be of the type that shall not absorb moisture, move once in place or deteriorate. Fiberglass or spray foam shall be unacceptable.		
3.2.109	<b>INTERIOR LIGHTING</b>		
	Six (6) 12 volt Whelen #60CREGCS, 6" round surface mounted red/white LED interior lights shall be provided in the ceiling of the walkway.		
	Two (2) switches shall be provided adjacent to the entrance door one (1) to illuminate all of white LED lights and one (1) to illuminate all of the red lights . The white LED lights shall automatically switch ON when the rear body entrance door is opened and shall switch OFF when the rear body entrance door is closed.		
3.2.110	<b>COMPARTMENT LED LIGHTING</b>		
	Two (2) ROM Durolumen V3 LED lights shall be installed in V3 track vertical in each compartment near outer edge in each roll-up door compartment and be ten (10) inches shorter than compartment height. One (1) ROM DuroLumen V3 LED light shall be installed in each hinged door compartment and mounted on compartment roof near outer edge in V3 track. Lights shall be ten (10) inches shorter than compartment width.		
	Lights shall activate when compartment door is opened/ rolled up and deactivate when closed or rolled-down.		
3.2.111	<b>INTERIOR DIMENSIONS</b>		
	Interior height: 77 inches		
	Interior width: 91 inches		
	Walkway length: Body length less transverse width and recessed rear step dimensions.		
	Walkway width: 40 1/2 inches		
3.2.112	<b>REAR BODY HEATER</b>		
	The rescue body heater shall be a hot water heater rated at 57,000 BTU's. The heater shall be connected directly to the chassis engine system.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	The unit shall be connected to the engine with approved automotive heater hose, clamped and secured in place away from exhaust and manifold systems.		
	Shut-off valves shall be installed on the system to isolate the heater during the summer months. The heater shall be equipped with a blower fan controlled at the heater.		
3.2.113	<b>AIR CONDITIONING</b>		
	One (1) Coleman Polar Mach, 110V 13,500 BTU, air conditioner shall be provided on the roof of the Rescue body or equivalent. The unit shall be capable of providing 5,600 BTU's of additional heating. A power exhaust fan shall be integrated into each unit.		
3.2.114	<b>CONDITIONER GUARD</b>		
	The roof mounted air conditioner unit shall be protected by a four (4) sided, tread plate aluminum box, to protect it from low hanging objects. The guard shall match roof tread plate.		
3.2.115	<b>ROOF VENT</b>		
	The apparatus body shall be equipped with custom built, heavy duty transportation type roof hatch installed in the center of the rescue body roof.		
	The hatch shall be a four (4) track type of all extruded aluminum construction and shall be rectangular with radius corners. The roof hatch shall be approximately 34" long x 25" wide. The glass shall be tinted safety automotive type 3/16" thick. The roof glass shall be hinged with two (2) gas shock stay arms to support the glass in the open position. This shall allow the hatch to be utilized as a skylight, a roof vent and an escape hatch.		
3.2.116	<b>ROLL-UP DOORS</b>		
	Roll-up doors shall be provided on all compartments. The roll-up doors shall be constructed from aluminum extruded slats which shall have a flexible seal between each slat for proper sealing of the door.		

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SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	A synthetic rubber seal shall be provided at each side, top and bottom edge of the door to prevent entry of dirt into the compartment.		
	The door shall be equipped with a lift bar style latch mechanism which shall latch at the bottom of the door mounting extrusion.		
	The roll-up door assembly shall be furnished with a spring-loaded, counter balance assembly to assist in door actuation.		
	All running board and high side compartments shall be equipped with roll-up doors.		
3.2.117	<b>ROBINSON ROLL-UP DOORS</b>		
	The roll-up doors shall be Robinson (ROM) brand roll-up doors, equipped with a brushed aluminum finish, with a PVC inner seal to prevent metal to metal contact and to repel moisture. The slats shall be double-wall extrusion 1.366" high by .315" thick with interlocking end shoes to prevent the slats from moving side-to-side and binding the door. All slats are to have interlocking joints to prevent penetration by sharp objects.		
3.2.118	<b>SWEEP-OUT COMPARTMENT FLOORS</b>		
	Compartment floors shall be welded to the compartment walls and have a sweep out design for easy cleaning.		
	Compartment with hinged doors shall have the door opening flanges bend down to produce the sweep out design.		
	Compartment with roll-up style doors shall have the external floor flange stepped down, 1/2" high x 2" deep, to produce a sealing surface for the roll-up doors below the compartment door. The sweep out design shall also permit easy cleaning.		
3.2.119	<b>COMPARTMENT DRIP MOLDING</b>		
3.2.120	Drip molding shall be provided directly over all of the compartment doors.		
	<b>HINGED COMPARTMENT DOORS</b>		
	Each inner pan shall be constructed from 1/8" aluminum with a brushed finish. Each inner door pan shall be fastened to door frame channels to		

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SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	provide a smooth, snag-free inner door surface.		
	Door hinges shall be full length polished stainless steel piano type and mounted with stainless steel hardware.		
	Each body compartment door shall be equipped with a closed cell gasket made of EPDM to provide a gasket resistant to weather, temperature extremes and aging.		
	Door latches shall be Eberhard #206 automotive type or equal. Latches shall be stainless steel "D" ring style handles. The Blank door in a double door configuration shall be provided with an internal, top only, slam latch. Dissimilar metals insulating gaskets shall be placed between the door handles and outer door panels.		
	Eberhard gas shocks shall be provided for each vertically and horizontally hinged door.		
3.2.121	<b>COMPARTMENT LOUVERS</b>		
	Ventilation between compartments to atmosphere shall be provided and located to avoid water and debris entry into compartments.		
3.2.122	<b>REAR BUMPER</b>		
	An 8" rear bumper shall be provided at the rear of the body for protection. The framework shall be integral to the sub-frame with a bolt on tread plate overlay to allow for ease of replacement or repair. They shall be fabricated from aluminum read plate with mitered corners to prevent snagging.		
3.2.123	<b>BODY RUB RAIL</b>		
	Aluminum tread plate rub rails shall be mounted at the base of the body, extend outward a minimum of 3/4" and downward 2" and flanged inward 1". The rub rails shall extend the full length of the main body and wrap around the rear body corners. Rub rails shall be designed to bolt to the body from the bottom side of the compartment area, not to damage the body side panels on initial impact and provide for ease of replacement.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
3.2.124	<b>BODY PROTECTION PANELS</b>		
	The front face of the body side compartments, including the entire forward area of the body, shall be overlaid with a polished aluminum tread plate, full height protection panel.		
	The rear surface of the body, around the rear compartment access doors shall be overlaid with a polished aluminum read plate, full height protection panel to protect the painted surfaces around the rear compartment during usage.		
3.2.125	<b>ACCESS PANELS</b>		
	Removal access panels shall be provided in all lower compartments (if applicable) to access spring pins, fuel tank sender, electrical junction compartment and rear body mounts.		
	Protective panels shall be located in the rear compartments providing access to the lights and associated wiring. The covers shall also serve as protective covers to prevent inadvertent damage to lights or wiring from tools or equipment located in the compartment.		
3.2.126	<b>REAR WHEEL WELL LINERS</b>		
	Fully removable, bolt-on, 1/8" aluminum fender liners shall be provided. The liners shall extend from the outer wheel well body panel, into the truck frame. Removable vertical splash shields inward of the wheels, shall be provided to give access to the hydraulic components. The completely washable fender liners shall be designed to protect the front and rear compartments and main body supports from road salts, dirt accumulation and corrosion.		
3.2.127	<b>REAR FENDERETTES</b>		
	The rear fenders shall be equipped with easily replaceable, fenderettes made of heavy black rubber. The fenderettes shall be equipped with a rubber gasket molding between the body panel and the fenderette.		
3.2.128	<b>REAR MUD FLAPS</b>		
	Heavy duty mud flap shall be provided behind the rear wheels across the entire rear body.		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
3.2.129	<b>REAR TOW EYES</b>		
	Two (2) painted tow eyes shall be furnished on the rear of the vehicle. The tow eyes shall be made from plate steel and shall be bolted directly to the chassis frame with grade 9 bolts and shall extend below the body. The tow eyes shall be smooth and free from sharp edges, and have a minimum eyelet hole of 2 1/2". The tow eyes shall be painted black.		
3.2.130	<b>REAR GRAB RAILS</b>		
	Grab rails shall be provided at the following specified locations. Additional grab rails shall be provided adjacent to any additional steps specified to comply with NFPA 1901.		
	Two (2) at the rear of the body, one (1) each side		
	Two (2) rails shall be mounted vertical inside the rear access doors to assist entry of body.		
3.2.131	<b>SCBA STORAGE RACK</b>		
	Storage rack shall be provided to accommodate one-hundred (100) 45 minute SCBA cylinders and twenty (20) 60-minute SCBA cylinders. With sixty (60) each on left and right sides of inside of body. The rack shall be constructed from individual, formed aluminum trays welded to structural aluminum framework. The rack shall be covered with Speed liner material. Location to be determined at preconstruction meeting. Each will have SCBA retainer.		
<b>CASCADE AIR SYSTEM</b>			
3.2.132	<b>COMPRESSOR</b>		
	One (1) Mako model HBA09H, Four (4) Stage, pressure lubricated Breathing Air Compressor shall be provided. The compressor shall have a 33.2 CFM charging rate, 6000 psi maximum working pressure and shall be driven by a 25 hp ODP electric motor. A skid mounted compressor control panel, remote mount DR1000T condensate collection tank, remote panel MK10 purification panel and a remote mount CMM shall be provided. The complete compressor system shall include the following:		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	Inlet filter		
	Intercoolers and aftercoolers for each stage		
	Interstage and final condensate separators for each stage		
	Interstage and final pressure relief valves		
	V-belt drive with guard		
	Discharge check valve and pressure maintaining valve		
	Interstage and final air pressure gauges (Mako liquid filled)		
	Emergency stop button remote location		
	Remote start (to be determined at prebuild meeting)		
	Auto stop control (air pressure switch and light)		
	High temperature shutdown switch and light		
	MK10C Purification system 102,200 scf @ 6000 psi mounted on floor extension in compartment L1		
	Purification system delivers air that exceeds NFPA Grade E		
	Hour meter		
	CMM mounted remotely		
	Low oil pressure switch and light		
	Automatic Condensate Drain System, complete with muffler/reservoir		
	Remote mounted control panel. Location to be determined at prebuild meeting		
	Operation and Parts Manuals		
	Operation class for three (3) consecutive days four (4) hours each.		
	Estimated weight: 725lbs		
3.2.133	<b>CONTAINMENT FILL STATION</b>		
	Mounted in walk in body wall closest to cab		
	One (1) Mako Mode SCFS-4HP Containment Fill station (no legs) shall be provided and installed, including the following:		
	Three SCBA certified containment fill station		
	0-6000 psig adjustable regulator with Mako Liquid fill gauges		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_



SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	Four (4) bank cascade control with TO and FROM valves and bypass		
	Three (3) fill whips with CGA connectors, line valves & bleed valves		
	Regulated auxiliary outlet circuit (valve & HP coupler with mate)		
	One 6000 PSI hose (Compressor to fill station)		
	One 6000 PSI hose (Fill station to each storage cylinder)		
	Explosion opening in floor to meet Mako specifications		
3.2.134	<b>AIR STORAGE SYSTEM</b>		
	One (1) Mako Model TM6004-UN/ISO Air Storage System shall be provided and installed, including the following:		
	Four (4) PSI UN/ISO cylinders		
	Each UN/ISO cylinder is complete with a service valve and safety burst disc and 1/4" male JIC outlet fitting.		
	Each cylinder has a rated volume of 509 scf @6000psi.		
	Piped shall form a total of Four banks		
	Approx. weight: 800lbs		
3.2.135	<b>HIGH PRESSURE BREATHING AIR REEL</b>		
	High pressure breathing reel #1 shall be a Hannay Model #EFH-1516-17-18 electric rewind air hose reel and shall be provided and plumbed to the onboard storage system.		
	Length of hose: 200'		
	Inside diameter: 3/16"		
	Outside diameter: 13/32"		
	Minimum bend radius: 1- 1/2"		
	Working Pressure: 6000lbs		
	Burst Pressure: 24,000lbs		
	Color: Grey		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	The air reel shall be controlled at the remote cascade panel. Provided on the panel shall be a shut off valve, an inlet gauge, adjustable regulator and an outlet gauge. The regulator shall be capable of controlling the pressure between 0-6000psi.		
	High pressure breathing reel shall be mounted in the upper portion of compartment R1, ceiling or rear wall mounted as space allows.		
	One (1) roller assembly shall be provided in a common panel.		
	One (1) cable ball stop shall be installed on the cable to keep the end from passing through the roller assembly.		
	One (1) reel rewind switch shall be provided on a compartment wall.		
3.2.136	<b>120/240 VOLT ELECTRICAL SYSTEM TESTING</b>		
	Line voltage wiring and permanently connected devices and equipment shall be subjected to a dielectric voltage withstand test of 900 volts for one minute. The test shall be conducted between live parts and the neutral conductor and between live parts and the vehicle frame with any switches in the circuits closed. The test shall be conducted after all body work has been completed. The dielectric test shall have minimum 500VA transformer with a sinusoidal output voltage that can be verified		
	Electric polarity verification shall be made of all permanently wired equipment and receptacles to determine that connections have been properly made.		
3.2.137	<b>OPERATIONAL TESTING</b>		
	The apparatus manufacturer shall perform the following operation test and shall certify that the power source and any devices that are attached to the line voltage electrical system are properly connected and in working order.		
	The Generator shall be started from a cold start condition and line voltage electrical system shall be loaded to 100 percent of nameplate voltage rating.		

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	The following items shall be monitored and documented every 15 minutes:		
	<ul style="list-style-type: none"> <li>The cranking time until the generator starts and runs.</li> </ul>		
	<ul style="list-style-type: none"> <li>The voltage, frequency, and amperes at continuous full rated load.</li> </ul>		
	<ul style="list-style-type: none"> <li>The generator oil pressure, water temperature, transmission temperature, hydraulic temperature, and the battery rate charge, as applicable.</li> </ul>		
	<ul style="list-style-type: none"> <li>The ambient temperature and altitude.</li> </ul>		
	<ul style="list-style-type: none"> <li>The generator shall operate at 100% of its nameplate wattage for a minimum of two (2) hours.</li> </ul>		
3.2.138	<b>PTO DRIVEN GENERATOR</b>		
	The apparatus shall be equipped with an Lima Marathon, 50,000 watt PTO power take off driven generator with an electric out put of 240V, Delta, three (3) phase.		
3.2.139	<b>PTO INTERLOCK</b>		
	An interlock shall be provided to prevent the PTO engagement unless the parking brake is engaged and the transmission is in neutral. With electronic engines, all throttle controls shall automatically be disabled whenever the PTO is engaged.		
3.2.140	<b>DRIVE COMPONENTS</b>		
	The generator shall be driven by a ten (10) volt direct drive PTO bolted directly to the transmission. The PTO shall be operated by a switch located in the cab. A green "Generator PTO Engaged" indicator light shall be provided adjacent to the PTO switch to indicate when the PTO is engaged. A second green "Generator PTO Engaged" indicator light shall be provided at the breaker box panel box.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
3.2.141	<b>INSTRUMENTATION</b>		
	Fire Research FROG-D model FDA300-050 generator monitoring display kit shall be installed to monitor the three (3) phase, delta wound, 60Hz, 50 kW Generator. The kit shall include a display module, three (3) voltage transformer, three (3) current transformer, and cables. The display case shall be waterproof and have dimensions not to exceed 4 1/4" high by 4 1/4" wide by 3 1/4" deep.		
	The following displays shall be provided with super bright LED digits more than 1/2" high:		
	Generator output frequency in hertz		
	Line voltage, phase to neutral or phase to phase, in volts.		
	Line current for each phase in amperes.		
	Individual line current and voltage shall be displayed at the push of a button or set to continuously scroll.		
	The program shall support the accumulation of elapsed generator. Generator hours and oil temperature shall be displayed at the push of a button. Audible warning alarm outputs are provided for generator overload, over/under voltage fluctuations, and high oil temperature.		
3.2.142	<b>LOAD GOVERNOR</b>		
	A Fire Research F.R.O.G load sensing governor shall be provided and wired to regulate the generator output to maintain a 60 cycle frequency. The engine rpm shall be adjusted automatically with the PTO switch.		
3.2.143	<b>GENERATOR WIRING 120/240 VOLT</b>		
	The wiring from the generator to the breaker box shall be THW stranded copper wire enclosed in nonmetallic liquid tight flexible conduit.		
3.2.144	<b>GENERATOR PTO</b>		
	A hot shift PTO shall be provided on the transmission for the Lima generator. The PTO shall be controlled from the cab. The control shall include a PTO engagement switch and a PTO engaged indicator light. The generator shall be interlocked with the parking brake and neutral		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	safety circuit.		
3.2.145	<b>GENERATOR LOCATION</b>		
	The generator shall be permanently mounted between the frame rails and secured with heavy duty steel channel.		
	Locating the generator greater than 144" from the main breaker may require the installation of an additional power disconnecting means.		
3.2.146	<b>120/240 VOLT LOAD CENTER</b>		
	The generator output line conductors shall be wired from the generator output connections to a Square D, model #QO330MQ200 breaker panel. The breaker panel shall be equipped with a 200 amp main breaker and has a total of 30 available spaces.		
	The generator output conductors shall be sized to 115% of the main breaker rating and shall be installed as indicated in the wiring section.		
	Thirty (30) appropriate sized Square D QO, 120 volt, circuit breakers shall be provided		
	The breaker panel shall be located on the rear wall on the driver side front compartment.		
3.2.147	<b>120/240 WIRING</b>		
	Wiring/conduit shall not be attached to any chassis suspension components, water or fuel lines, air or air brake lines, hydraulic lines, exhaust components or low voltage wiring		
	Wiring/conduit must be installed a minimum of 12 inches from exhaust components and 6 inches from any fuel lines.		
	All wiring shall be securely clamped within 6 inches of any junction box and a minimum of every 24" of run. All supports shall be nonmetallic material and corrosion protection metal.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	All power supply assembly conductors, including neutral and grounding conductors, shall have an equivalent amperage rating and shall be sized to carry not less the 115% of the main breaker rating.		
	All Type SO or Type SEO cable not installed in a compartment shall be installed in wire loom. Where Type SO or Type SEO cable penetrates a metal surface, a rubber grommet or bushing shall be provided and installed.		
	The install of 120/240 wiring shall meet current NFPA 1901 Standards.		
3.2.148	<b>120/240 VOLT WIRING IDENTIFICATION</b>		
	All line voltage conductors located inside the main breaker panel box shall be individually and permanently identified. All wiring shall have markings every 6 inches for each circuit.		
	<b>120/240 VOLT GROUNDING</b>		
	The neutral conductor of the power source shall be bonded to the vehicle frame only at the power source.		
	The grounded current carrying conductor (neutral) shall be insulated from the equipment grounding conductors and from the equipment enclosures and other grounded parts. The neutral conductor shall be colored white.		
	In addition to the bonding required for the lower voltage return current, each body and driving /crew compartment enclosure shall be bonded to the vehicle frame by a copper conductor. The conductor shall have a minimum amperage rating of 115% of the name plate current rating of the power source specification label.		

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SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
3.2.149	<b>120/240 VOLT CIRCUIT BREAKER/RECEPTACLE INSTALLATION</b>		
	The system shall be installed by highly qualified electrical technicians to assure the required level of safety and protection to the fire apparatus operators. When multiple circuits are required, the circuits shall be wired to the breaker panel in a staggered configuration to minimize electrical loads on each breaker or generator(leg) circuit. The wiring, electrical fixtures and components shall be the highest industry quality standards available on the domestic market. The equipment shall be designed for mobile type installations subject to vibration, moisture and severe continuous usage.		
3.2.150	<b>120/240 VOLT RECEPTACLE INSTALLATIONS</b>		
	Any receptacle installed in a wet location must be a minimum of 24" above the ground and provided with an approved wet location cover. Wet receptacles may not be mounted at more than 45 degrees from vertical, nor can they be mounted in a face-up position.		
3.2.151	<b>ELECTRIC CORD REEL (220 VOLT)</b>		
	One (1) Hannay Model #ECR-1620-17-18 or equal, with 4 conductor assemble for 240 volts, with electric rewind cord reel shall be provided and wired to the breaker panel. The reel shall be securely mounted and equipped with a rewind control adjacent to the reel.		
	The cord reel shall be floor mounted in the officer front compartment		
	The circuit breaker used to protect any device attached to the cord reel shall be sized to the smallest electrical connection used.		
	One (1) reel rewind switch shall be provided on a compartment wall.		
	One (1) roller assembly shall be provided in a common panel.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	One (1) cable ball stop shall be installed on the cable to keep the end from passing through the roller assembly.		
3.2.152	<b>ELECTRIC CABLE</b>		
	Two hundred (200) feet of Type SO yellow 10.4 heavy duty electric cable, wired for 240 volts, shall be provided on the cord reel.		
	One (1) NEMA L14-30R, 30 amp, four prong twist-lock receptacle shall be provided on the end of the cable.		
3.2.153	<b>JUNCTION BOX</b>		
	One (1) Circle-D Model #PF51 GFCI-5P-L14-20, four (4) outlet junction box with one (1) NEMA 5-20R GFCI rated straight blade receptacle and three (3) NEMA L5-20R twist-lock receptacles with 6" pigtail with a NEMA L14-20P twist-lock plug shall be provided or equal		
	The junction box shall be wired such that the four (4) outlets' provide 120 VAC.		
	One (1) holder constructed of 1/8" aluminum tread plate shall be provided for cord reel junction box. The location of the holder shall be determined at prebuild meeting.		
3.2.154	<b>ADDITIONAL ITEMS</b>		
	One (1) Pint of touch up paint for each color		
	One (1) Bag of assorted stainless steel nuts and bolts		
	Two (2) ZICO #SAC-44 folding wheel chocks shall be mounted forward of the rear wheels on the driver side		
3.2.155	<b>PAINT, PREP AND FINISH</b>		
	The PPD Delta, Low V.O.C. polyurethane finishing system, or equal, shall be utilized. A "Clear Coat" paint finish shall be supplied to provide a greater protection to the quality of the exterior paint finish.		

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SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	All removable items, such as brackets, compartment doors, etc. shall be painted separately to insure finish paint behind mounted items. All compartment unwelded seams exposed to high moisture environments shall be sealed using permanent pliable caulking prior to finish paint.		
3.2.156	<b>BODY PRIMER &amp; PREP</b>		
	All exposed welds shall be ground smooth for final finishing of areas to be painted. The compartments and doors are totally degrease and phosphatized. After final body work is completed, grinding (36, 80, and 120 grit), and finish sanding shall be used in preparation for priming.		
3.2.157	<b>BODY FINISH PAINT</b>		
	The body shall be finished sanded and prepared for final paint. Upon completion of final preparation, the body shall be painted utilizing the highest quality, state of the art, low V.O.C., polyurethane base paint. Finish paint shall be applied in multiple coats to ensure proper paint coverage with a high gloss finished.		
	The entire body shall be buffed and detailed.		
3.2.158	<b>BODY PAINT</b>		
	The inside and underside areas of the complete body assembly shall be painted black using PPG Delta System, prior to the installation of the body on the chassis.		
3.2.159	<b>COMPARTMENT PAINT</b>		
	The body paint finish shall be PPG Delta System in a single color, to match customer furnished paint codes and requirements.		
3.2.160	<b>CHASSIS CAB PAINT</b>		
	The commercial cab exterior shall be finished painted over the original OEM paint with a PPG Delta System, two tone configuration, to match paint codes		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
3.2.161	<b>FINILIZATION &amp; DETAILING</b>		
	Prior to delivery of the vehicle, the interior and exterior be cleaned and detailed. The finalization process detailing shall include installation of NFPA require labels, checking fluid levels, sealing and caulking required areas of the cab and body, rust proofing, paint touch-up ect.		
3.2.162	<b>RUST PROOFING</b>		
	The entire unit shall be thoroughly rust proofed utilizing rustproof and sound deadening materials applied in manufacturer recommended application procedures. Rust proofing shall be applied during the assembly process and upon completion to insure proper coverage in all critical areas.		
3.2.163	<b>COMPUTER GENERATED LETTERING</b>		
	The lettering and striping shall be custom designed utilizing state of the art computer software and computerized cutting machines. The manufacturer shall employ a full time artist/designer to generate all lettering, decals, and striping to meet the require of the City of Atlanta. The artwork for the lettering and striping shall be kept on record by the manufacturer to allow for ease in duplication for the City of Atlanta.		
3.2.164	<b>LETTERING</b>		
	The City of Atlanta Fire Department will provide artwork via jump drive or CD for all lettering and decals. Lettering and decals will be gold leaf with drop shadow to meet current NFPA 1901 Standards. Lettering will include: cab doors, Top panels of left & right side body, rear of body, unit designation will be provided on left & right side of body, and roof.		
3.2.165	<b>SCOTCH-LITE AND REAR CHEVRON STRIPING</b>		
	Scotch-Lite will be 4" high applied to 60% of each side of the body.		
	Rear Chevron will be at least 50% of the rear facing vertical surface shall be covered with alternating strip of reflective striping.		

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SECTION	DESCRIPTION	COMPLIANCE	EXCEPTION
	Striping shall be Ruby Red and Lemon Yellow. Scotchlite diamond grade striping.		
3.2.166	<b>WARRANTIES</b>		
	<b>Bumper to Bumper one (1) year from in-service date Kenworth or equal</b>		
	Basic-12 Month Unlimited Miles		
	Major components: Front Axle, beam, Spindles, Kingpin & Bushings, Rear Axle, Differential, Axle Shafts and Housing, Brakes, Brackets, Cam Shafts, Spiders, and Slack Adjuster - 24 Months unlimited miles		
	Frame, Gussets, Cross members, Cab/Hood Structure, and Cab/Hood Corrosion: Frame rails, gussets, and cross members. Structural components of the cab and hood. Cab and hood perforation caused by corrosion from within. Does not apply to corrosion caused by damage to cab panel or the finish - 36 months 150,000 miles		
	<b>Allison Transmission: 5-year warranty</b>		
	<b>Paccar Engine: 5-years warranty</b>		
	<b>Electrical System: 5-years warranty</b>		
	<b>Body Structure</b>		
	Structural defects - 10 years		
	Corrosion - 10 years		
	Paint - 7 Years		
3.2.167	<b>INSPECTION TRIPS</b>		
	One (1) trip for the prebuild meeting to include lodging and meals for three (3) members of the City Of Atlanta Fire Apparatus Committee Team Members		
	One (1) trip for the midbuild meeting to include lodging and meals for two(2) members of the City of Atlanta Fire Apparatus Committee Team Members. This meeting will be planned to have the body mounted on the chassis and discuss items deemed to determine location.		

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SECTION	DESCRIPTION		
		COMPLIANCE	EXCEPTION
	One (1) trip for the final inspection to include lodging and meals for three (3) committee City of Atlanta Fire Apparatus Committee Team Members. This will be for the final inspection of the apparatus. Manufacturer will allow time for any corrections that are needed to be re-inspected before committee teams leaves the premises.		
3.2.168	<b>ALIGNMENT AND BALANCING</b>		
	When vehicle has been inspected by the City of Atlanta, the vehicle front end will be aligned with the vehicle fully loaded with full SCBA cylinders and full Storage cylinders.		
	Balancing of all tires will be completed before vehicle undergoes final inspection.		
3.2.169	<b>WEIGHT ANALYSIS</b>		
	A weight analysis will be completed before final inspection ensuring that even distribution of weight is carried by each tire		

## GROUP II – PREVENTIVE MAINTENANCE

- 3.3 Bidder shall agree to provide preventive maintenance at six (6) month intervals scheduled by the City of Atlanta on each unit delivered through this proposal for a period sixty (60) months from the date of delivery.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.4 The vendor shall supply all filters and fluids necessary for these Preventive Maintenance schedules. Each filter as well as all fluids shall be OEM approved for the full warranty period of each component. Any and all substitutions must be approved by the City of Atlanta's fleet maintenance department.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

3.5 Listed below is a sample of the Preventive Maintenance services to be performed:

1. Engine
2. Transmission
3. Rear end
4. Cabin air filters
5. All fluids topped off
6. Clean or replace all hydraulic filters-body
7. Lube chassis and body
8. Check Lighting and Charging System
9. Check hydraulic pressure and adjust-body
10. Check condition of high wear areas-body
11. 105 point inspection-body
12. Filter hydraulic oil system-body
13. Complete Written evaluation report

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

3.6 The City of Atlanta's fleet maintenance facility will not be utilized as a service facility to perform the required Preventive Maintenance program.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

3.7 Documentation - The vendor, at time of delivery shall provide the following documents:

- a. Manufacturer's line set ticket
- b. Delivery ticket
- c. Warranty Certificate
- d. Certificate of Origin conveying the title of vehicle
- e. Completed tag application
- f. History sheet
- g. Original Invoice

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

All certificates and tag applications must show the owner as "The City of Atlanta." Do not complete the address section of these forms, as they will be completed by the receiving Department.

3.8 Pre-Delivery, Servicing and Adjustment -The dealer shall not attach any identification, advertising or similar material to the vehicle. Prior to acceptance by the City inspector, the dealer shall service and adjust each vehicle for operational use to include as a minimum the following:

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

1. Focusing of lights
2. Tuning of engine
3. Adjustment of accessories
4. Checking of electrical, braking and suspension system
5. Charging of battery
6. Alignment of front end
7. Inflation of tires
8. Balancing of all wheels, including the spare
9. Complete lubrication of engine, chassis and operating mechanisms with recommended grades of lubricants for the ambient air temperature at the point of delivery

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.9 Servicing of cooling system with permanent type antifreeze and summer coolant for minus 20 degrees Fahrenheit protection.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.10 All bidders must submit two (2) sets of descriptive/ technical literature (If applicable) and must include a 24" x 36" scale drawing of the specified apparatus to include front, top, rear, sides, compartments, cab and body interior and dash layouts; plainly marked with:

- a. Company Name
- b. Group to which literature pertains for each item and components bid.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.11 The bidder will furnish satisfactory evidence of his ability to construct the equipment specified and will state the location of the factory where the equipment is to be built.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- 3.12 List three (3) most recent purchasers of this equipment including contact person, phone numbers and date of last purchase.

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

- 3.13 Bidder must furnish a copy of manufacturer's preventative maintenance schedule at time of delivery.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.14 Bidders must maintain within the Metro Atlanta area, adequate indoor heated facilities and personnel to perform warranty work. The bidder is also required to provide warranty services. For warranty service involving shop work, equipment will be delivered to and picked up from the bidder by Office of fleet Services. Additionally, the bidder must have a mobile service unit with technician capable of service calls to City of Atlanta fire stations and/or Fleet Service facilities. State facility, contact person and phone number.

State Facility \_\_\_\_\_

Contact Person \_\_\_\_\_

Telephone Number \_\_\_\_\_

- 3.15 This Invitation to Bid covers parts and service for one year after delivery date for chassis as well as body vendor. Bidder should submit price information for parts, service, chassis and body, with this bid indicating schedule and rate of discount which shall apply to the City of Atlanta.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- A. State discount parts percent and labor rate for all non-warranty claims during the initial year in service.

\_\_\_\_\_  
% Parts Discount

\_\_\_\_\_  
Labor Rate

- 3.16 Bidder must be able to supply ninety percent (90%) of parts required to maintain this equipment within 24 hours and have access to the remaining ten percent (10%) within 72 hours.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

- 3.17 Bidders will supply original manufacturer part crossover numbers for parts, which are not manufactured by the equipment manufacturer after the award of bid but prior to the delivery of equipment.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.18 The City of Atlanta requires that its personnel be highly knowledgeable of the equipment, parts and servicing of all the items in its motorized inventory. Please state:

A. Type of training you will provide (operating and service)  
\_\_\_\_\_

B. Number of training man-hours you will provide (operating and service) a minimum of twenty-four (24) hours instruction training must be provided.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.19 Successful bidder must provide five (5) parts, five (5) shop repair manuals; and five(5) sets of any and all published companion manuals to include electrical trouble shooting manuals, wiring diagram manuals, emission manuals and body collision repair manuals where applicable, and 1 operating manual for each schedule; one(1) cross reference index showing manufacture's parts number and supplier catalog number, and one(1) VHS video cassette or CD for repair maintenance, PM maintenance and operator training including body where applicable.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.20 If you quote, please sign each "Bid Sheet" in blue ink, DO NOT 'white out' entries or your bid may be deemed non-responsive. And, put the name of your company on each of the bid sheets or your bid may be deemed non-responsive.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

- 3.21 Submit the original and one (1) copy of the bid and required attachments.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

FIRM NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_



- 3.22 Vendor shall provide like and similar goods not listed on pricing sheets at \_\_\_\_\_ % discount from standard industry rates.

\_\_\_\_\_  
Compliance

\_\_\_\_\_  
Exception

4. **APPLICABLE DOCUMENTS, STANDARDS AND SPECIFICATIONS**

- 4.1 The following document (s), standard (s) or specifications shall apply:
- 4.2 Material(s), goods or service(s) covered by this Invitation for Bid shall comply with all Federal Occupational Safety and Health Acts, FAA Standards and Georgia Occupational Safety and Health Act requirements, where applicable and in effect at time of delivery. |

5. **QUALITY ASSURANCE PROVISIONS**

- 5.1 Test and Inspection -It shall be the vendor's responsibility to perform all tests and inspections required by this specification unless otherwise stated in the purchase order, data sheet, and/or contract. The vendor may use in the process their own facility or any recognized independent laboratory acceptable to the City of Atlanta. The City of Atlanta reserves the right to perform any of the tests and inspection requirements where such tests and inspections are needed to further determine compliance with this specification.
- 5.2 Certification -Material covered by this specification shall comply with all Federal Occupational Safety and Health Acts and Georgia Occupational Safety and Health Acts Requirement where applicable and in effect at time of shipment.
- 5.3 Sampling -A sample of the materials described by this specification may be required and shall be submitted within five (5) days from the date of notification. Failure to comply with this provision may cause rejection of the items supplied and cancellation of the contract.
- 5.3.1 Sample, visual test and inspection may be required. This shall be performed and witnessed in the presence of the City officials at no extra cost. Failure to comply with this provision may cause rejection of the items supplied and cancellation of the contract.

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_

- 5.4 Quality and Quantity Control - A system of test and inspection shall be used to insure receipt of the quality and quantity of items supplied. Goods will be promptly unpacked and inspected; any discrepancies from purchase order or supplier invoice will be reported immediately to the Chief Procurement Officer of the Department of Procurement.
- 5.5 Plant and Facility Inspections - The Department of Procurement may require the vendor to make their plant and facilities available for inspection, or may require additional information concerning the vendor's ability to comply with the requirements of this specification, or its ability to perform in accordance with delivery requirements and within budget. In addition to the above, vendor may be required to produce shop orders and backlog orders documentation. Failure to comply with this requirement may cause rejection of the bid package.
- 5.6 Protection - The vendor shall assume all costs arising from the use of patented materials, devices, or processes incorporated in the materials furnished. The vendor further agrees to indemnify and hold harmless the City of Atlanta and its duly authorized agents from suits of law or actions of any nature for or on account of the use of any patented materials, equipment devices or processes.
- 5.7 Travel Expense - The City of Atlanta may require one or more visits to the vendor's plant to assure compliance with the City requirement. The cost of such visits shall be absorbed by the supplier after the purchase order has been assigned.

**6. PREPARATION FOR DELIVERY**

- 6.1 Packing - Packing shall be accomplished in accordance with acceptable commercial practices for domestic shipments, unless otherwise stated in the contract or purchase order. The vendor shall make shipments using the minimum number of containers consistent with the requirements of safe transit, available mode of transportation and routing. It shall be the vendor's responsibility to determine that packing is adequate to assure that all materials shall arrive at destination in an undamaged condition ready for intended use.
- 6.2 Marking - All packages shall be identified with the City of Atlanta purchase order number and the using Bureau. Sealed packing lists must be affixed to all cartons showing its content.
- 6.3 Shipping - The vendor shall follow shipping instructions as stated on the purchase order or contract.
- 6.4 Delivery Schedule and Liability - It shall be the vendor's responsibility to

**FIRM NAME** \_\_\_\_\_ **SIGNATURE** \_\_\_\_\_

maintain delivery schedule as stated on bid. The City must be notified of any change at least ten (10) days prior to original delivery date. Notification of shippage, however, shall not relieve the vendor from late delivery penalties as outline below. The vendor is urged to realistically and accurately state its proposed delivery for the items called for in the Invitation for Bid Pricing Sheet.

Split delivery may be accepted, if it is found to be in the best interest of the City but shall not be made in quantities of less than fifty percent (50%) of the total purchase order or contract quantity.

The vendor shall not, for any reason, delay delivery of items necessary to the upkeep of the City. The City of Atlanta reserves the right to enforce a Late Delivery Penalty to a delinquent vendor. Late delivery penalties are in the amount of one percent (1%) for each day of delay to a maximum of five percent (5%) of the total purchase order or contract amount beginning after a ten (10) day grace period from the expired delivery date.

**7. WARRANTY**

It shall be the vendor's responsibility to submit, at time of shipment, the original manufacturer's warranty of the materials(s) supplied.

**8. GUARANTEE**

The material shall be guaranteed to be free from defects of construction, conception and workmanship for a period of at least twelve (12) months from date of acceptance. Any part or portion found not in accordance with this specification will be rejected and returned to vendor at vendor's expense for immediate replacement.

**FIRM NAME** \_\_\_\_\_ **SIGNATURE** \_\_\_\_\_

9. **FACE SHEET AND ALL PAGES OF THIS SPECIFICATION, SIGNED BY AN AUTHORIZED REPRESENTATIVE, MUST BE RETURNED WITH YOUR BID; OTHERWISE BID MAYBE CONSIDERED INVALID.**
10. **IF YOU DO NOT QUOTE, PLEASE RETURN THE COVER SHEET WITH YOUR COMPANY NAME AND THE REASONS YOU ARE NOT QUOTING. OTHERWISE, AFTER THREE (3) NO RESPONSES YOUR COMPANY'S NAME MAY BE REMOVED FROM OUR VENDOR LIST.**
11. **A COMPLETE CONTRACT EMPLOYMENT REPORT OR CURRENT LETTER OF CERTIFICATION FROM THE CITY OF ATLANTA MUST ACCOMPANY EACH BID. FAILURE TO COMPLY WILL RENDER BID INVALID.**
12. **IF YOU QUOTE, PLEASE SIGN EACH "BID SHEET" IN BLUE INK, DO NOT 'WHITE OUT' ENTRIES OR YOUR BID MAY BE DEEMED NON-RESPONSIVE. AND, PUT THE NAME OF YOUR COMPANY ON EACH OF THE BID SHEETS OR YOUR BID MAY BE DEEMED NON-RESPONSIVE.**
13. **SUBMIT THE ORIGINAL AND ONE (1) COPY OF THE BID AND REQUIRED ATTACHMENTS.**

**FIRM NAME**\_\_\_\_\_ **SIGNATURE**\_\_\_\_\_

## VENDOR REFERENCES

PROJECT TYPE: FIRE SUPPLY ITB/FC NO.: 8182-AP BUYER/CO: ANNETTE PELLUM

PROJECT NAME: 2015 FIRE AIR SUPPLY APPARATUS

\*\*\*\*\*

1. \_\_\_\_\_  
Company Name Contact Person  
\_\_\_\_\_  
Address City/State/Zip  
\_\_\_\_\_  
Phone Number County  
COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

2. \_\_\_\_\_  
Company Name Contact Person  
\_\_\_\_\_  
Address City/State/Zip  
\_\_\_\_\_  
Phone Number County  
COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

3. \_\_\_\_\_  
Company Name Contact Person  
\_\_\_\_\_  
Address City/State/Zip  
\_\_\_\_\_  
Phone Number County  
COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

FIRM NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_



**CITY OF ATLANTA  
DEPARTMENT OF PROCUREMENT  
55 TRINITY AVENUE, SW, SUITE 1900  
ATLANTA, GEORGIA 30303-0307  
(404) 330-6204**

## PRICING SHEET

**BID NUMBER**

8182-AP

Page 1 of 2

QUAN.	UNIT PRICE	TOTAL
*****		
NOTE TO ALL BIDDERS		
<p>IN COMPLIANCE WITH THE REQUIREMENTS OF THIS SPECIFICATION (IF APPLICABLE), VENDOR MUST SUBMIT WITH BID TWO (2) SETS OF DESCRIPTIVE LITERATURE OR <u>YOUR BID MAY NOT BE CONSIDERED.</u></p> <p>Bids shall be held firm for 120 days after bid opening date and time.</p> <p>Further, prices shall be held fixed for one year from date of award.</p> <p>Quantities listed are estimates, actual orders may vary more or less than indicated.</p> <p>*****</p> <p>GROUP I - Air Supply Apparatus (After deducting federal excise tax)</p> <ul style="list-style-type: none"> <li>State make and model offered</li> <li>State delivery time (days)</li> </ul> <p>GROUP II- Preventive Maintenance:</p> <ul style="list-style-type: none"> <li>% discount on parts</li> <li>6 month maintenance interval</li> <li>12 month maintenance interval</li> </ul> <p>Prices will remain fixed for 12 months.</p>		
	\$ _____	
	_____	
	_____	
	\$ _____	
	_____ %	
	\$ _____	
	\$ _____	
	<u>YOU MUST CHECK ONE</u>	
	<u>Compliance</u>	<u>Exception</u>

**FIRM NAME****SIGNATURE****TITLE**

DATE \_\_\_\_\_



CITY OF ATLANTA  
DEPARTMENT OF PROCUREMENT  
55 TRINITY AVENUE, SW, SUITE 1900  
ATLANTA, GEORGIA 30303-0307  
(404) 330-6204

PRICING SHEET  
BID NUMBER  
8182-AP  
Page 2 of 2

QUAN.	UNIT PRICE	TOTAL
<div><p>EXTENSIONS, TOTALS AND GRAND TOTAL, IF APPLICABLE, SHALL BE ENTERED IN SPACES PROVIDED. FAILURE TO COMPLY MAY RENDER YOUR BID INVALID.</p><p>DELIVERY MAY BE A FACTOR IN AWARD. PLEASE STATE DELIVERY SCHEDULE IN SPACE PROVIDED BELOW. FAILURE TO COMPLY MAY RENDER YOUR BID INVALID.</p><p><u>TERMS:</u> BIDDERS ARE REQUESTED TO QUOTE NET PRICES. NET PRICES ARE LIST PRICES LESS TRADE OR OTHER DISCOUNTS OFFERED, EXCEPT CASH DISCOUNTS. IF A CASH DISCOUNT IS OFFERED, IT MUST BE CLEARLY SHOWN IN THE SPACE PROVIDED BELOW. IN ORDER FOR YOUR CASH DISCOUNT TO BE CONSIDERED IN THE BID EVALUATION PROCESS, THE DISCOUNT PERIOD SHALL BE A <u>MINIMUM</u> OF THIRTY DAYS. ANY DISCOUNT PERIOD OFFERED OF LESS THAN THIRTY DAYS WILL NOT BE CONSIDERED IN THE BID EVALUATION PROCESS. ALL DISCOUNTS OFFERED WILL BE TAKEN IF EARNED. TIME WILL BE COMPUTED FROM THE DATE OF ACCEPTANCE AT DESTINATION OR FROM DATE A CORRECT INVOICE IS RECEIVED IF THE LATTER DATE IS LATER THAN THE DATE OF ACCEPTANCE.</p><p>*****</p><p>Upon request, a copy of the bid tabulation will be made available at a cost of \$ .10 per page.</p><p>*****</p><p>IF FEDERAL EXCISE TAX APPLIES, SHOW AMOUNT OF SAME WHICH HAS ALREADY BEEN DEDUCTED IN DETERMINING YOUR NET PRICE. THE CITY IS ALSO EXEMPT FROM STATE AND LOCAL SALES TAX (UNLESS THIS AMOUNT IS SHOWN, TAX EXEMPTION CERTIFICATE CANNOT BE ISSUED AND VENDOR WILL BE RESPONSIBLE FOR PAYMENT OF TAX ON NET PRICE QUOTED).</p></div> <div><p>TERMS _____ % _____ 30 Days</p><p>DELIVERY: Time Required for Delivery After Receipt Order _____ Days</p></div>		

FIRM NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
DATE